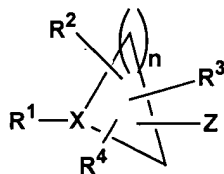


CLAIM AMENDMENTSIn the Claims

Claim 1. (Currently Amended) A compound having the structure



wherein n is 4;

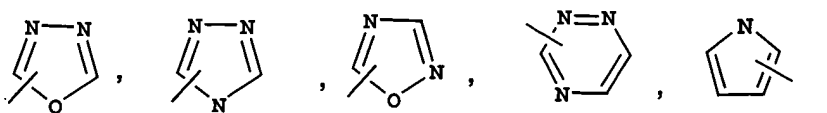
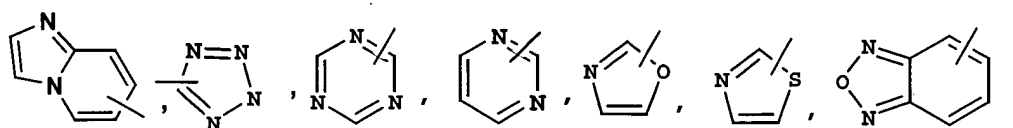
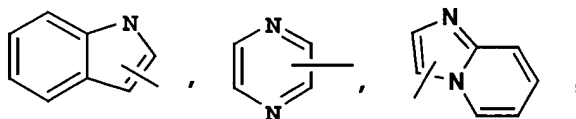
X is N;

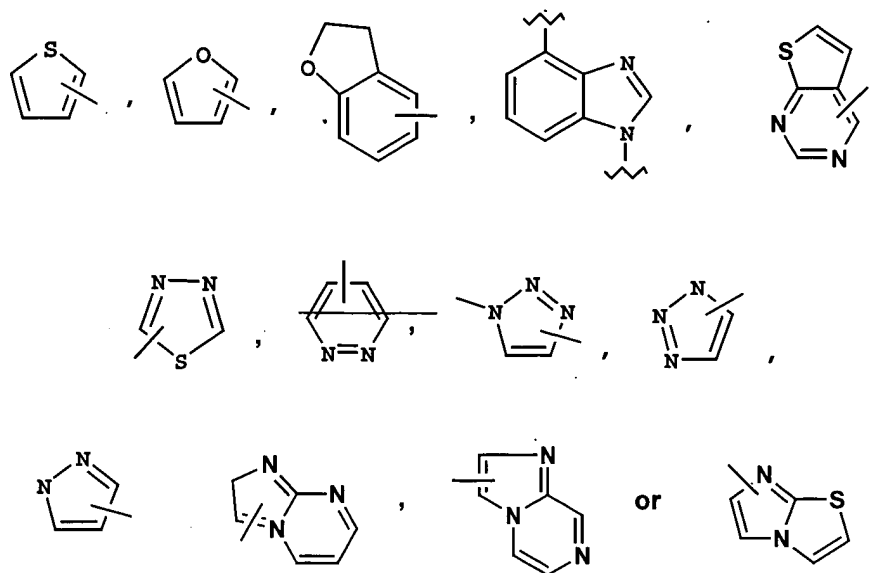
Z is a 5- or 6-membered nitrogen-containing monocyclic heteroaryl group which is selected from the group consisting of imidazole attached at its 4- or 5-position to the ring, aminoimidazole, alkylimidazole, alkylthioimidazole, alkylthio(amino)imidazole, amino-(alkyl)imidazole, (alkanoylamino)imidazole, aminothiazole, aminooxazole, aminooxadiazole, dialkylimidazole, alkyl(alkanoylamino)imidazole, alkyl(amino)imidazole, arylaminocarbonylamino(alkyl)imidazole, alkoxycarbonylamino(alkyl)imidazole, alkylcarbonylamino(alkyl)imidazole, aminotriazole or diaminopyrimidine;

R¹ is heteroaryl,

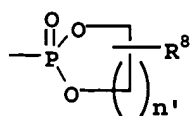
and R¹ may be unsubstituted or substituted with from one to five substituents;

and wherein the R¹ heteroaryl group is selected from

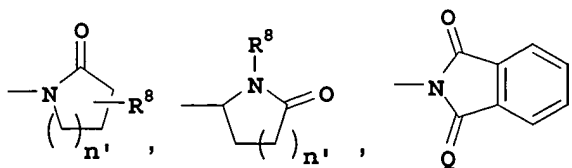




R^2 , R^3 and R^4 are the same or different and are independently H, alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, (alkyl or aryl)₃Si (where each alkyl or aryl group is independent), cycloalkyl, cycloalkenyl, amino, alkylamino, dialkylamino, alkenylamino, alkynylamino, arylalkylamino, aryl, arylalkyl, arylamino, aryloxy, cycloheteroalkyl, cycloheteroalkylalkyl, heteroaryl, heteroarylamino, heteroaryloxy, arylthio, arylsulfinyl, arylsulfonyl, thio, alkylthio, alkylsulfinyl, alkylsulfonyl, heteroarylthio, heteroarylsulfinyl, heteroarylsulfonyl, halogen, haloalkyl, polyhaloalkyl, polyhaloalkoxy, aminothio, aminosulfinyl, aminosulfonyl, alkylsulfonylamino, alkenylsulfonylamino, alkynylsulfonylamino, arylsulfonylamino, heteroarylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, heteroarylaminocarbonyl, hydroxy, acyl, carboxy, aminocarbonyl, alkylcarbonyl, alkoxycarbonyl, alkylcarbonyloxy, alkylcarbonylamino, arylcarbonyl, arylcarbonyloxy, arylcarbonylamino, heteroarylcarbonyl, heteroarylcarbonyloxy, heteroarylcarbonylamino, cyano, nitro, alkenylcarbonylamino, alkynylcarbonylamino, alkylaminocarbonylamino, alkenylaminocarbonylamino, alkynylaminocarbonylamino, arylaminocarbonylamino, heteroarylaminocarbonylamino, alkoxycarbonylamino, alkenyloxycarbonylamino, alkynyloxycarbonylamino, aryloxycarbonylamino, heteroaryloxycarbonylamino, aminocarbonylamino, alkylaminocarbonyloxy, alkoxycarbonylamino, 1,1-(alkoxy or aryloxy)₂alkyl (where the two aryl or alkyl substituents can be independently defined, or linked to one another to form a ring), $S(O)_2R^6R^7$, $-NR^6(C=NR^7)alkyl$, $-NR^6(C=NR^7)alkenyl$, $-NR^6(C=NR^7)alkynyl$, $-NR^6(C=NR^7)heteroaryl$, $-NR^8(C=NCN)-amino$,



pyridine-N-oxide,



(where Q is O or H₂ and n' is 0, 1, 2 or 3) or

$\text{—C}(\text{NR}^8\text{R}^9)=\text{CH—C}(=\text{O})\text{—R}^{8a}$; tetrazolyl, pyrazolyl, pyridyl, thiazolyl, pyrimidinyl, imidazole, oxazole, or triazole, $\text{—PO}(\text{R}^{13})(\text{R}^{14})$, (where R¹³ and R¹⁴ are independently alkyl, aryl, alkoxy, aryloxy, heteroaryl, heteroarylalkyl, heteroaryloxy, heteroarylalkoxy, cycloheteroalkyl, cycloheteroalkylalkyl, cycloheteroalkoxy, or cycloheteroalkylalkoxy); and may be optionally independently substituted with from one to five substituents, which may be the same or different;

R⁶, R⁷, R⁸, R^{8a} and R⁹ are the same or different and are independently hydrogen, alkyl, haloalkyl, aryl, heteroaryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl, or cycloheteroalkyl;

~~Including or a~~ pharmaceutically acceptable salts salt thereof, or a prodrug ~~prodrugs~~ thereof, and all stereoisomers thereof.

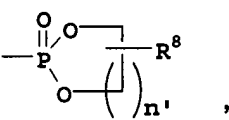
Claim 2. (Currently Amended) The compound as defined in Claim 4 75 wherein Z is a heteroaryl group containing 1 to 4 heteroatoms, at least one of which is a nitrogen atom, the heteroaryl group being attached to the rest of the molecule via an available nitrogen or carbon atom.

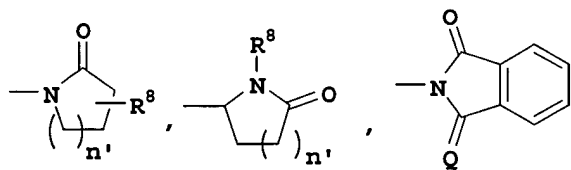
Claim 3. (Original) The compound as defined in Claim 1 wherein at least one of R¹, R², R³ and R⁴ is aryl or heteroaryl.

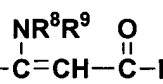
Claims 4-7. (Cancelled).

Claim 8. (Currently Amended) The compound as defined in Claim 1 wherein the R¹ group may be substituted within from one to five of the following groups:

alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, (alkyl or aryl)₃Si (where each alkyl or aryl group is independent), cycloalkyl, cycloalkenyl, amino, alkylamino, dialkylamino, alkenylamino, alkynylamino, arylalkylamino, aryl, arylalkyl, arylamino, aryloxy, cycloheteroalkyl, cycloheteroalkylalkyl, heteroaryl, heteroarylamino, heteroaryloxy, arylthio, arylsulfinyl, arylsulfonyl, thio, alkylthio, alkylsulfinyl, alkylsulfonyl, heteroarylthio, heteroarylsulfinyl, heteroarylsulfonyl, halogen, haloalkyl, polyhaloalkyl, such as CF₃ and CF₃CH₂, polyhaloalkyloxy, such as CF₃O and CF₃CH₂O, aminothio, aminosulfinyl, aminosulfonyl, alkylsulfonylamino, alkenylsulfonylamino, alkynylsulfonylamino, arylsulfonylamino, heteroarylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, heteroarylaminocarbonyl, hydroxy, acyl, carboxy, aminocarbonyl, alkylcarbonyl, alkoxy carbonyl, alkylcarbonyloxy, alkylcarbonylamino, arylcarbonyl, arylcarbonyloxy, arylcarbonylamino, heteroarylcarbonyl, heteroarylcarbonyloxy, heteroarylcarbonylamino, cyano, nitro, alkenylcarbonylamino, alkynylcarbonylamino, alkylaminocarbonylamino, alkenylaminocarbonylamino, alkynylaminocarbonylamino, arylaminocarbonylamino, heteroarylaminocarbonylamino, alkoxy carbonylamino, alkenyloxycarbonylamino, alkynyloxycarbonylamino, aryloxycarbonylamino, heteroaryloxycarbonylamino, aminocarbonylamino, alkylaminocarbonyloxy, 1,1-(alkoxy or aryloxy)₂alkyl (where the two aryl or alkyl substituents can be independently defined, or linked to one another to form a ring, such as 1,3-dioxane or 1,3-dioxolane), S(O)₂R⁶R⁷, -NR⁶(C=NR⁷)alkyl,

NR⁶(C=NR⁷)alkenyl, -NR⁶(C=NR⁷)alkynyl, ,
NR⁶(C=NR⁷)heteroaryl, -NR⁸(C=NCN)-amino, pyridine-N-oxide,



(where Q is O or H₂ and n' is 0,1,2 or 3) or ; tetrazolyl, pyrazolyl, pyridyl, thiazolyl, pyrimidinyl, imidazole, oxazole or triazole; -PO(R¹³)(R¹⁴), (where R¹³ and R¹⁴ are independently alkyl, aryl, alkoxy, aryloxy, heteroaryl, heteroarylalkyl, heteroaryloxy,

heteroarylalkoxy, cycloheteroalkyl, cycloheteroalkylalkyl, cycloheteroalkoxy, or cycloheteroalkylalkoxy);

R^6 , R^7 , R^8 , R^{8a} and R^9 are independently hydrogen, alkyl, haloalkyl, aryl, heteroaryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl or cycloheteroalkyl, which substituents may be the same or different from each other and may be the same or different from the base R^1 group.

Claim 9. (Original) The compound as defined in Claim 1 wherein R^1 is substituted with one to five of the following substituents: alkyl, alkylaminocarbonyl, arylaminocarbonyl, heteroarylaminocarbonyl, alkylcarbonylamino, heteroaryl, halo, aryl, cycloalkylcarbonylamino, arylcarbonylamino, heteroarylcarbonylamino, alkoxycarbonylamino, guanidiny, nitro, cycloheteroalkyl, aryloxy carbonylamino, heteroaryloxy carbonylamino, uriedo (where the uriedo nitrogens may be substituted with alkyl, aryl or heteroaryl), heterocyclylcarbonylamino (where the heterocycle is connected to the carbonyl group via a nitrogen or carbon atom), alkylsulfonylamino, arylsulfonylamino, heteroarylsulfonylamino,



Where J is : CHR^{23} , $\text{—}\overset{\text{O}}{\underset{\text{O}}{\text{C}}}\text{—}$, $\text{—}\underset{\text{R}^{24}}{\text{CH}}\text{—}\underset{\text{R}^{25}}{\text{CH}}\text{—}$ or $\text{—}\underset{\text{R}^{24}}{\text{C}}\text{=}\underset{\text{R}^{25}}{\text{C}}\text{—}$;

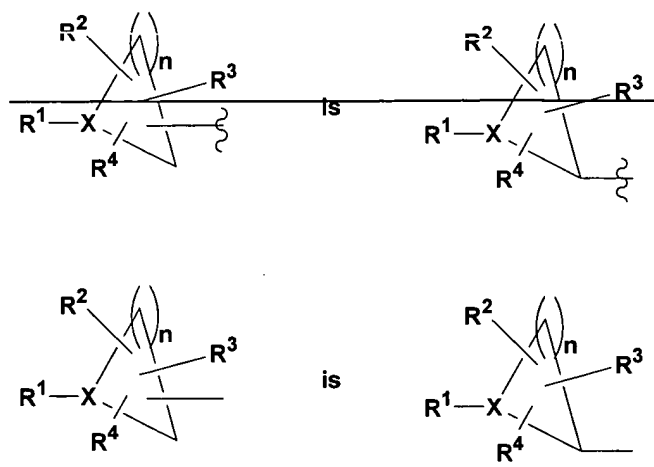
R^{23} , R^{24} and R^{25} are independently hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl, cycloalkyl, or cycloalkylalkyl;

R^{20} , R^{21} , R^{22} are independently hydrogen, halo, alkyl, alkenyl, alkoxy, aryloxy, aryl, arylalkyl, alkylmercapto, arylmercapto, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroarylalkyl, hydroxy or haloalkyl; and these preferred substituents may either be directly attached to R^1 , or attached via an alkylene chain at an open position, which substituents may be the same or different from each other and may be the same or different from the base R^1 group.

Claim 10. (Currently Amended) The compound as defined in Claim 1 wherein Z is imidazole attached at its 4- or 5-position to the ring, aminoimidazole, alkylimidazole, alkylthioimidazole, alkylthio(amino)imidazole, amino(alkyl)imidazole or (acetylamino)imidazole.

Claims 11-13. (Cancelled).

Claim 14. (Currently Amended) The compound as defined in Claim 1 wherein the moiety



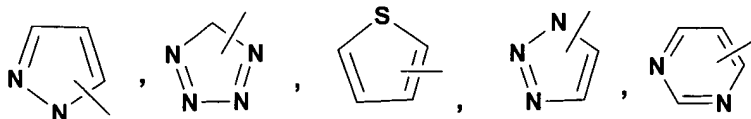
Claim 15. (Original) The compound as defined in Claim 1 wherein R² and R³ are independently H, lower alkyl, lower alkoxy or aryl, and R⁴ and R⁵ are each hydrogen.

Claim 16. (Cancelled).

Claim 17. (Previously Presented) The compound as defined in Claim 1 wherein n is 4, R² and R³ are independently H or lower alkyl, and R⁴ and R⁵ are each H, and R¹ is aryl or heteroaryl.

Claim 18. (Cancelled).

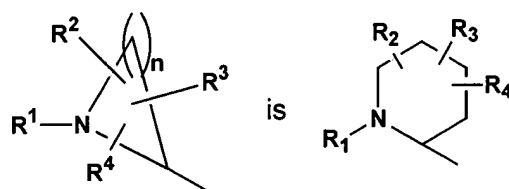
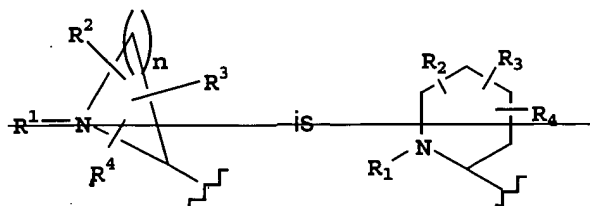
Claim 19. (Previously Presented) The compound as defined in Claim 1 wherein R¹ is



Claim 20. (Original) The compound as defined in Claim 1 wherein R¹, R², R³ and/or R⁴ may be joined together with the N atom and/or carbons to which they are attached to form a non-aromatic ring.

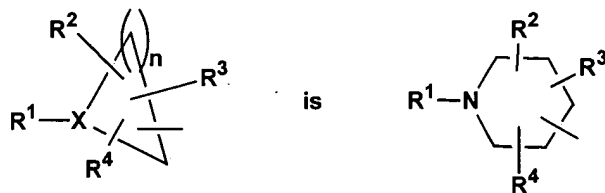
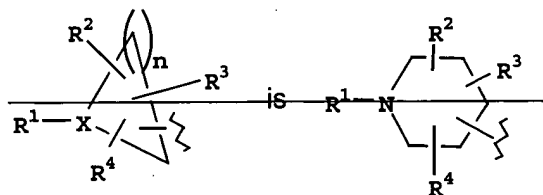
Claim 21. (Cancelled).

Claim 22. (Currently Amended) The compound as defined in Claim 14 wherein

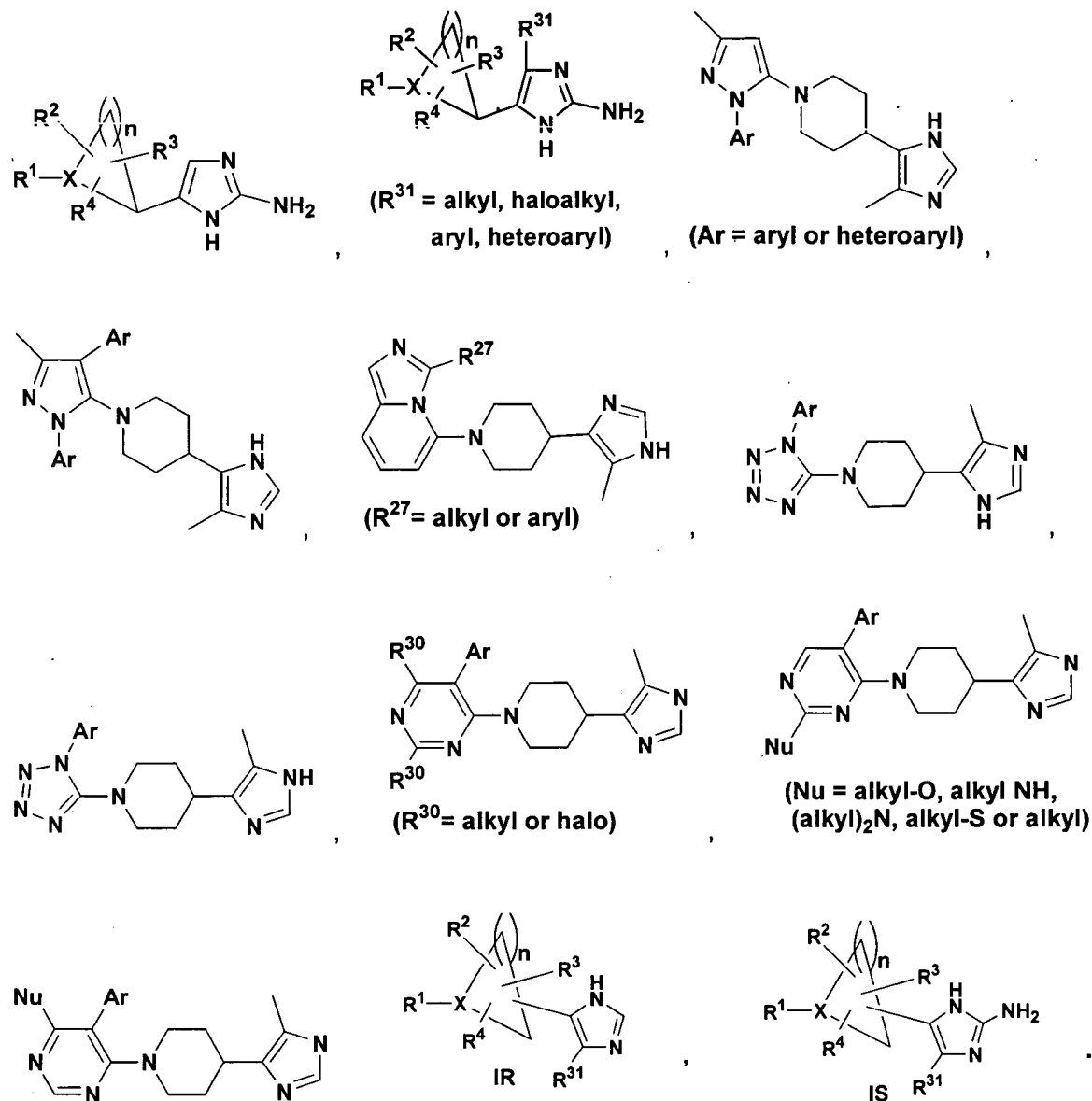


Claim 23. (Cancelled).

Claim 24. (Currently Amended) The compound as defined in Claim 1 wherein

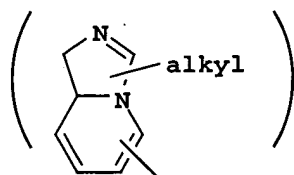


Claim 25. (Previously Presented) The compound as defined in Claim 1 having the structure



Claim 26. (Previously Presented) The compound as defined in Claim 1 wherein R¹ is phenyltetrazole, 1-(2,4-dihalo-5-alkoxyphenyl)tetrazol-5-yl, alkylphenyltetrazole, halophenyltetrazol, 1-(2-alkoxy-5-halophenyl)tetrazol-5-yl, 1-(3-alkyl-4-halophenyl)tetrazol-5-yl, alkoxyphenyltetrazole, alkyl(halo)phenyltetrazole, alkoxy(halo)phenyltetrazole, alkoxy(alkyl)(halo)phenyltetrazole, phenyl-alkyl-pyrazole, alkoxyphenyl-alkyl-pyrazole, halophenyl-alkyl-pyrazole, alkyl(halo)phenyl-alkyl-pyrazole, alkylphenyl-alkyl-pyrazole, alkoxy(halo)phenyl-alkyl-pyrazole, alkoxy(alkyl)phenyl-alkyl-pyrazole, dihalophenyl-alkyl-pyrazole, dialkylphenyl-alkyl-pyrazole, alkoxyphenyl-alkyl-pyrazole,

halophenyl-haloalkyl-pyrazole, alkoxyphenyl(alkyl)(halo)pyrazole, phenylpyrimidine, phenyl(halo)pyrimidine, diphenylpyrimidine, halophenyl(halo)pyrimidine, dihalopyrimidine, diphenyl(halo)pyrimidine, halo(phenyl)pyrimidine, dialkyl(halo)pyrimidine, dihalophenylpyrimidine, alkylphenylpyrimidine, alkoxyphenylpyrimidine, alkylphenyl(alkoxy)pyrimidine, dialkylphenyl(alkoxy)pyrimidine, alkyl(halo)phenyl(alkoxy)pyrimidine, alkoxy(halo)phenyl(alkoxy)pyrimidine, dihalophenyl(dialkylamino)pyrimidine, heteroaryl(dihalophenyl)pyrimidine, halophenylpyrimidine, alkoxy(phenyl)pyrimidine, haloalkoxyphenylpyrimidine, phenoxy(phenyl)pyrimidine, heteroaryl(phenyl)pyrimidine, dialkoxyphenylpyrimidine, dialkylphenylpyrimidine, cycloheteroalkyl(phenyl)pyrimidine, alkoxy(halo)phenylpyrimidine, cycloheteroalkyl(dihalophenyl)pyrimidine, halophenyl(alkoxy)pyrimidine, alkyl(halo)phenylpyrimidine, nitrophenylpyrimidine, dihalophenyl(alkoxy)pyrimidine, carboxyphenylpyrimidine, alkylcarbonylphenylpyrimidine, naphthylpyrimidine, alkylthiophenylpyrimidine, alkyl(halophenyl)triazole, alkyl(halo)phenyl-(alkyl)-triazole, alkylimidazopyridine



phenylimidazopyridine, halophenylimidazopyridine, dihalophenylimidazopyridine, alkoxyphenylimidazopyridine.

Claim 27. (Previously Presented) The compound as defined in Claim 1 wherein

R² is CH₃ or H;

R³ is CH₃ or H;

R⁴ is H;

R¹ is 2,3-dihydrobenzofuran-4-yl, 1-phenyltetrazol-5-yl,

1-(2,4-dichloro-5-methoxyphenyl)tetrazol-5-yl,

1-(3-chlorophenyl)tetrazol-5-yl,

1-(3-chloro-4-methyl)tetrazol-5-yl,

1-(3-methylphenyl)tetrazol-5-yl,

1-(2-chlorophenyl)tetrazol-5-yl,

1-(2-methoxy-5-chloro)tetrazol-5-yl,

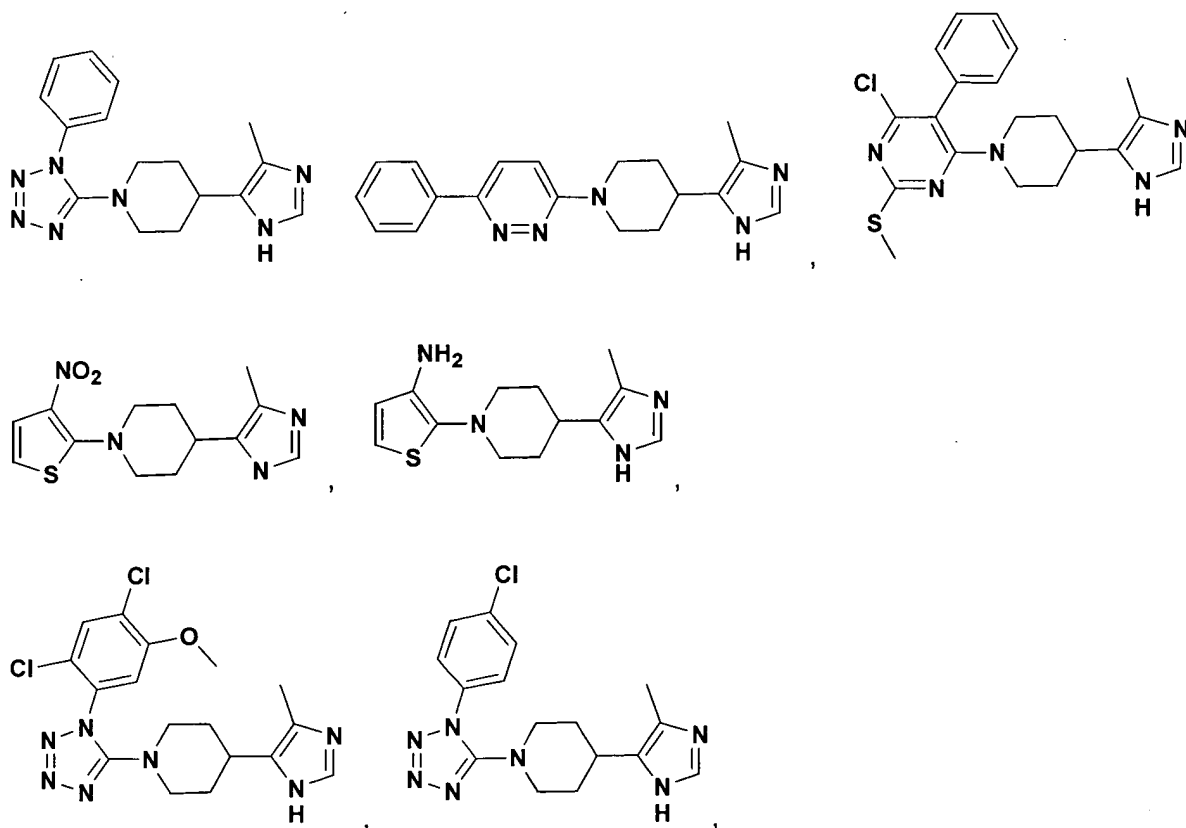
1-(3-methyl-4-chlorophenyl)tetrazol-5-yl,

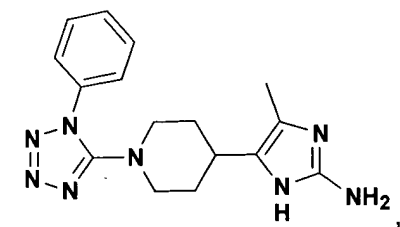
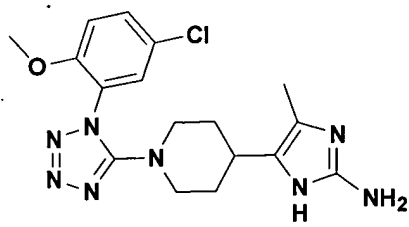
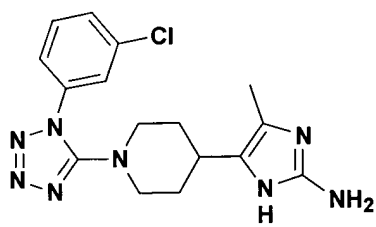
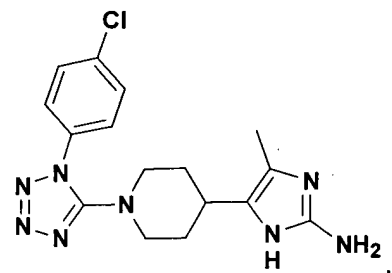
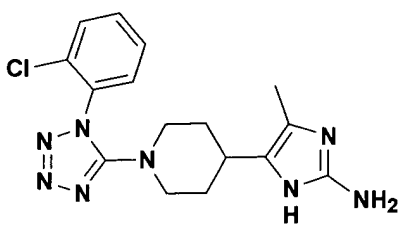
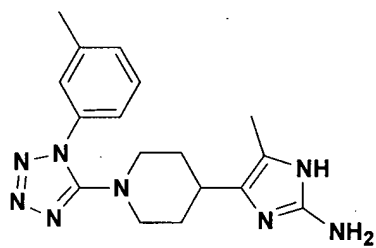
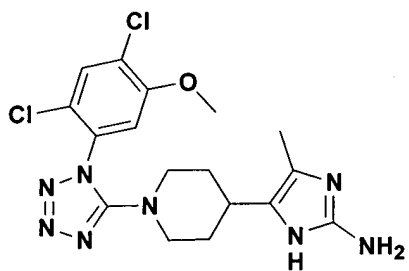
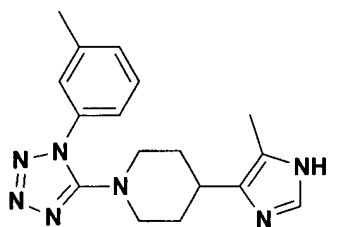
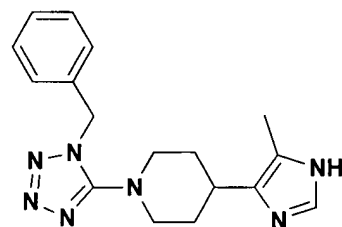
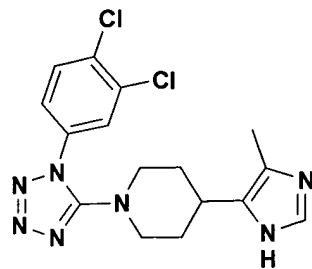
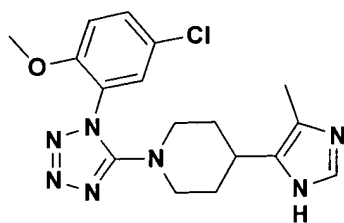
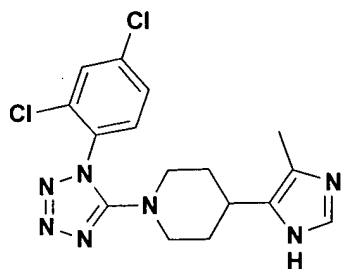
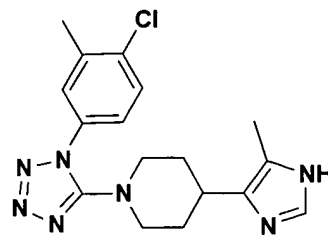
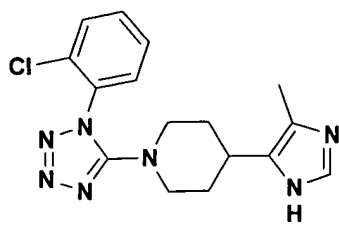
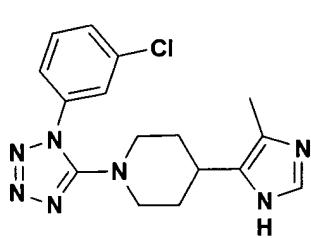
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1-(3-methoxyphenyl)tetrazol-5-yl,
1-(2-methoxy-5-chlorophenyl)tetrazol-5-yl,
1-(3-chlorophenyl)-3-methylpyrazol-5-yl,
1-(3-fluorophenyl)-3-methylpyrazol-5-yl,
1-(3-methoxyphenyl)-3-methylpyrazol-5-yl,
1-(3,5-dichlorophenyl)-3-methylpyrazol-5-yl,
1-(3-chlorophenyl)-3-ethylpyrazol-5-yl,
1-(3-chloro-4-methylphenyl)-3-methylpyrazol-5-yl,
1-(2,4-dimethylphenyl)-3-methylpyrazol-5-yl,
1-(3-chloro-4-fluorophenyl)-3-methylpyrazol-5-yl,
1-(3-trifluoromethylphenyl)-3-methylpyrazol-5-yl,
1-(3-chlorophenyl)-3-trifluoromethylpyrazol-5-yl,
1-(3-methylphenyl)-3-methylpyrazol-5-yl,
1-(3-chlorophenyl)-3-ethylpyrazol-5-yl,
5-(3-chloro-4-fluorophenyl)pyrimidin-4-yl,
5-(2-chlorophenyl)pyrimidin-4-yl,
5-(3-methylphenyl)pyrimidin-4-yl,
5-(3-trifluoromethylphenyl)pyrimidin-4-yl,
5-(2,4-dichlorophenyl)pyrimidin-4-yl,
5-(2,5-dimethylphenyl)pyrimidin-4-yl,
5-(3,4-dichlorophenyl)pyrimidin-4-yl,
5-(2,3-dimethylphenyl)pyrimidin-4-yl,
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5-(2-methoxy-5-fluorophenyl)pyrimidin-4-yl,
5-(3-methyl-4-fluorophenyl)pyrimidin-4-yl,
5-(3-chloro-4-fluorophenyl)-2-methoxy-pyrimidin-4-yl,
5-(3-chloro-4-fluorophenyl)-2-dimethylamino-pyrimidin-4-yl,
5-(3-chloro-4-fluorophenyl)-2-morpholinyl-pyrimidin-4-yl,
1-(3-chlorophenyl)-3-methyltriazol-5-yl,
1-(3-chloro-4-methylphenyl)-3-methyltriazol-5-yl,
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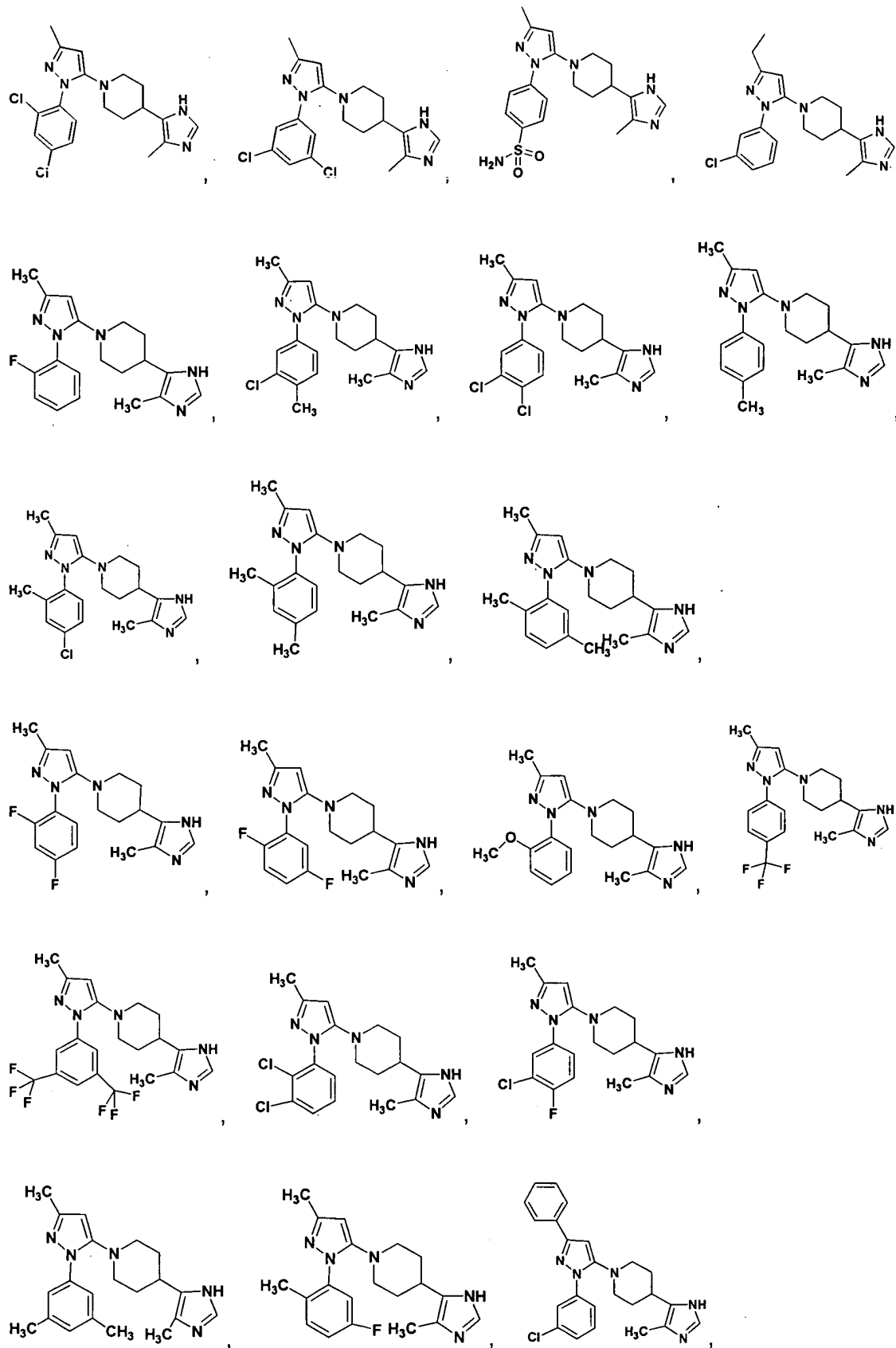
5-(2-chlorophenyl)-2-methoxypyrimidin-4-yl,
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 5-(3-trifluoromethylphenyl)-2-methoxypyrimidin-4-yl,
 5-(2,4-dichlorophenyl)-2-methoxypyrimidin-4-yl,
 5-(3-methylphenyl)-2-methoxypyrimidin-4-yl,
 5-(2,5-dimethylphenyl)-2-methoxypyrimidin-4-yl, or
 5-(3-methyl-4-fluorophenyl)-2-methoxypyrimidin-4-yl;

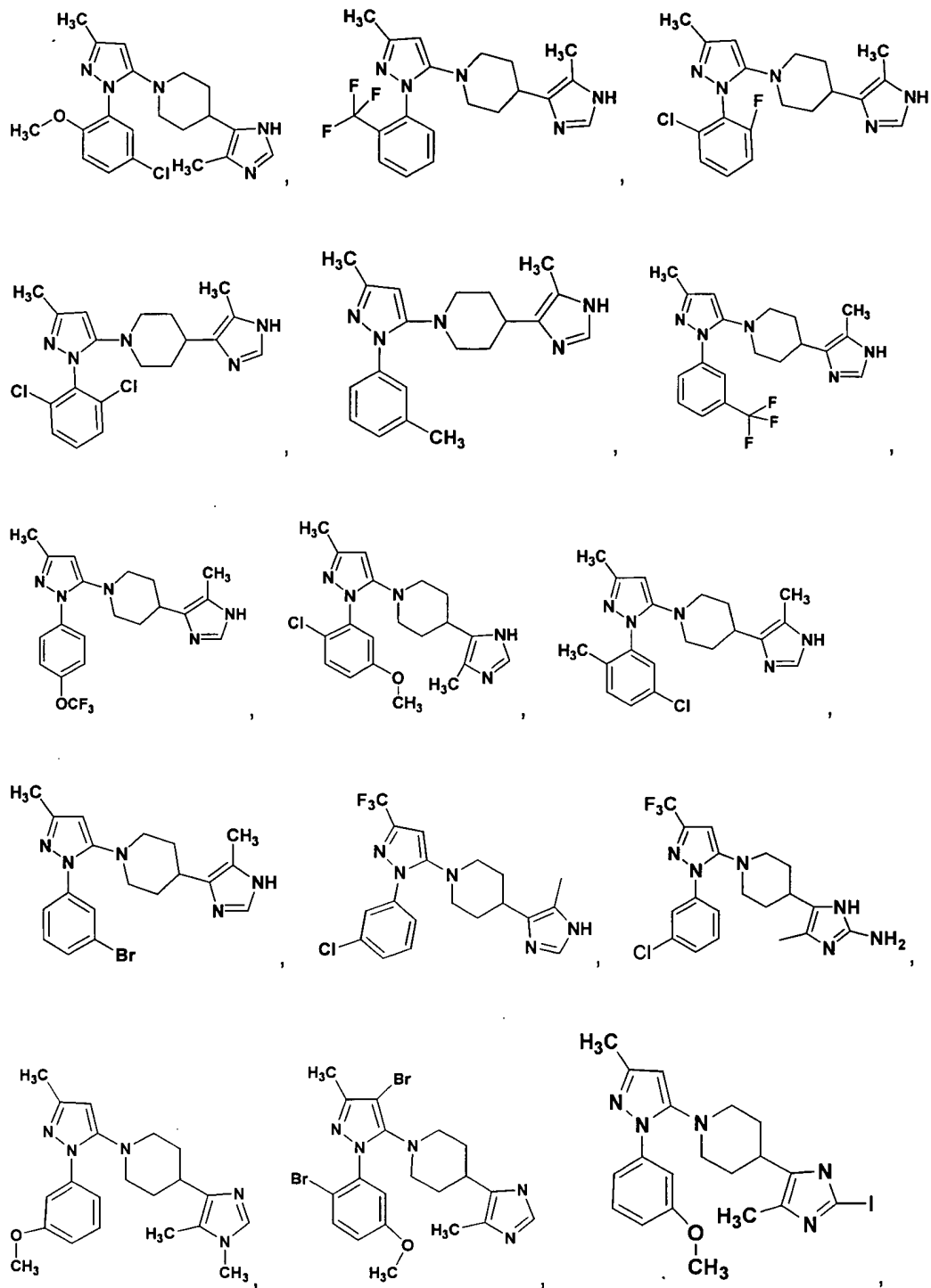
Z is 2-amino-5-methyl-imidazol-4-yl, 2,5-dimethylimidazol-4-yl, 2-amino-5-ethyl-imidazol-4-yl, 2-amino-5-isopropyl-imidazol-4-yl, 2-aminocarbonylamino-5-methyl-imidazol-4-yl, 5-methyl-imidazol-4-yl, imidazol-4-yl, or 4-methylimidazol-5-yl.

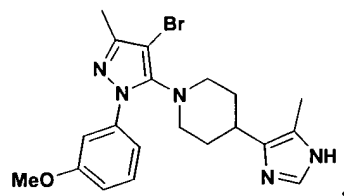
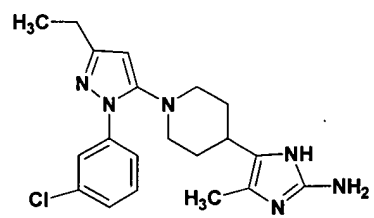
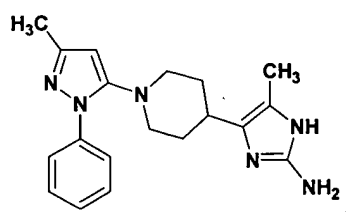
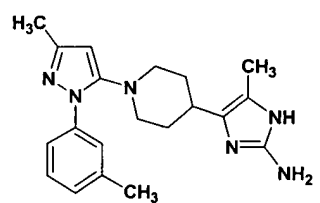
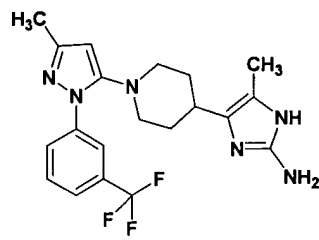
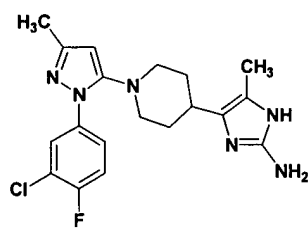
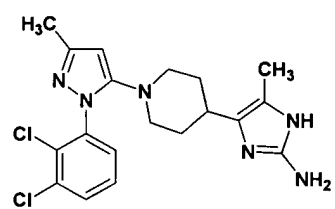
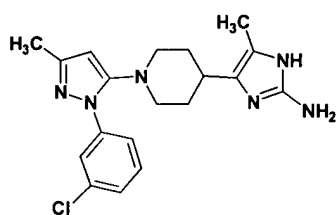
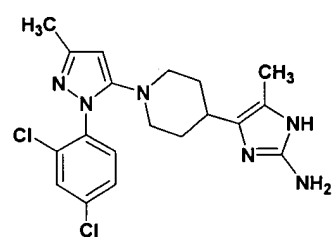
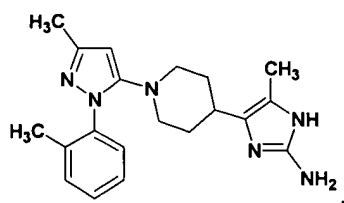
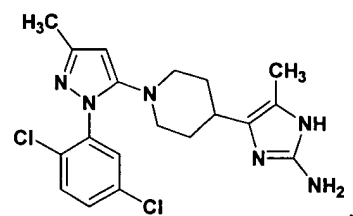
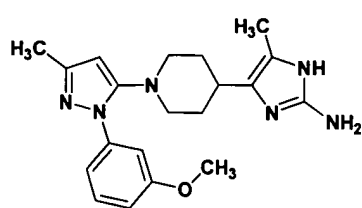
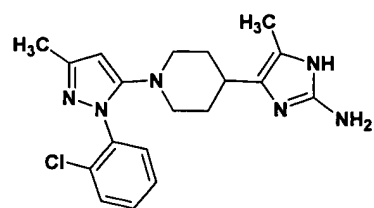
Claim 28. (Previously Presented) A compound having the structure

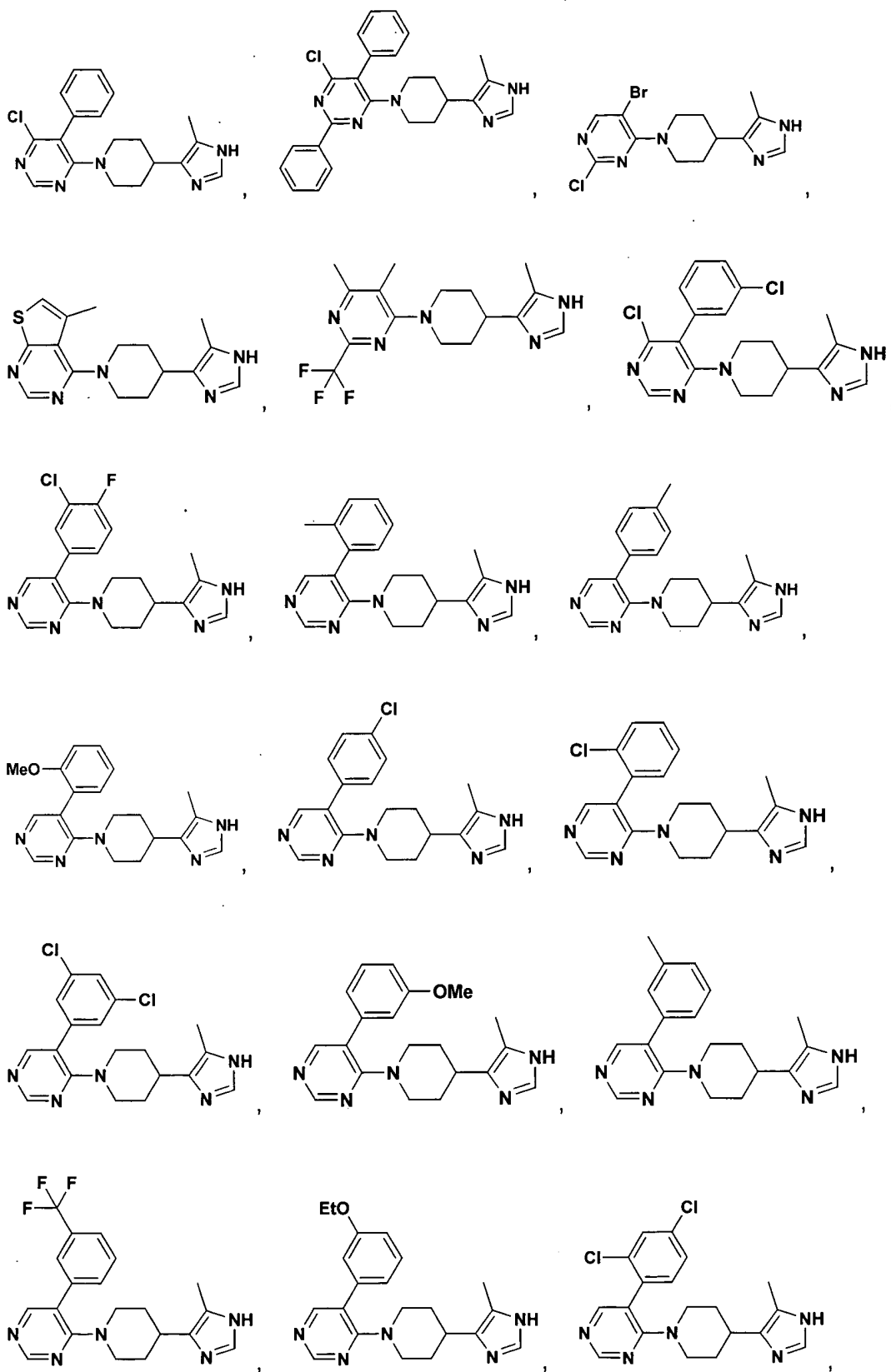


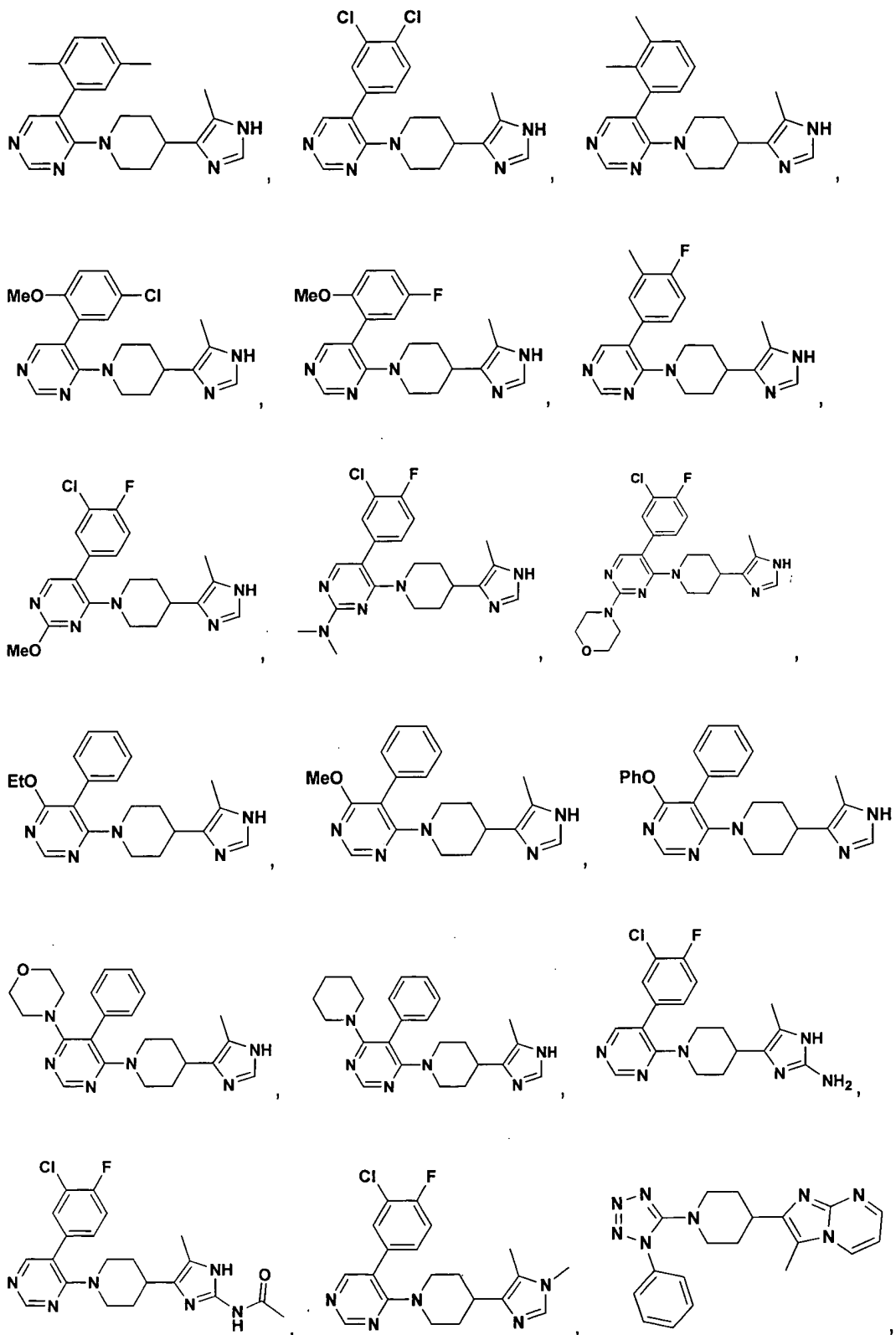


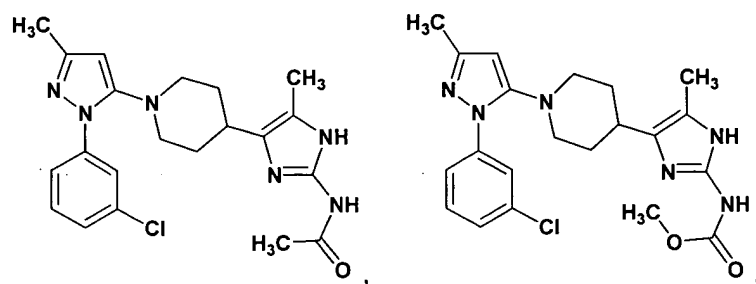
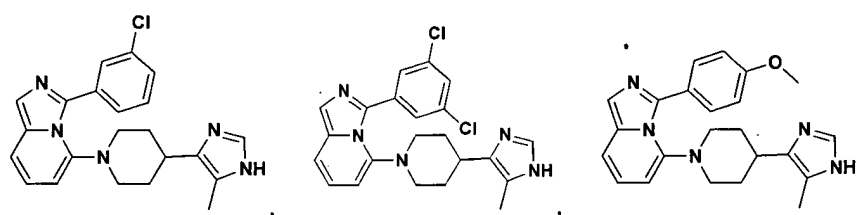
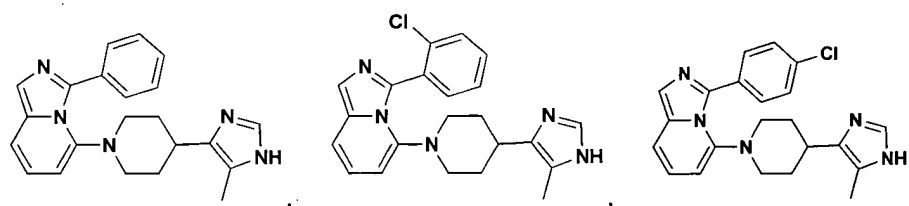
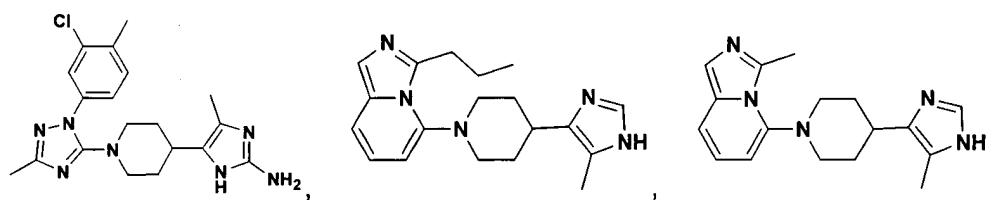
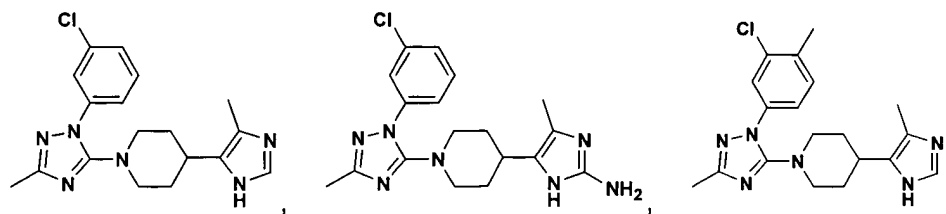
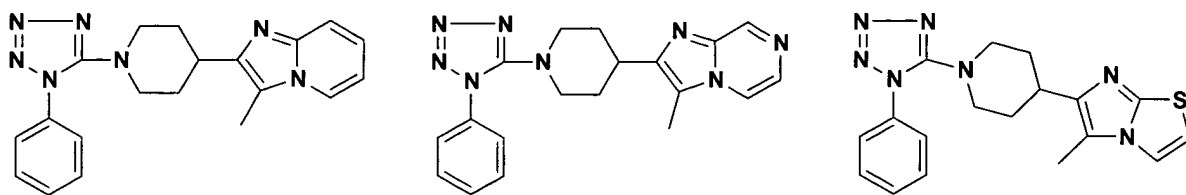


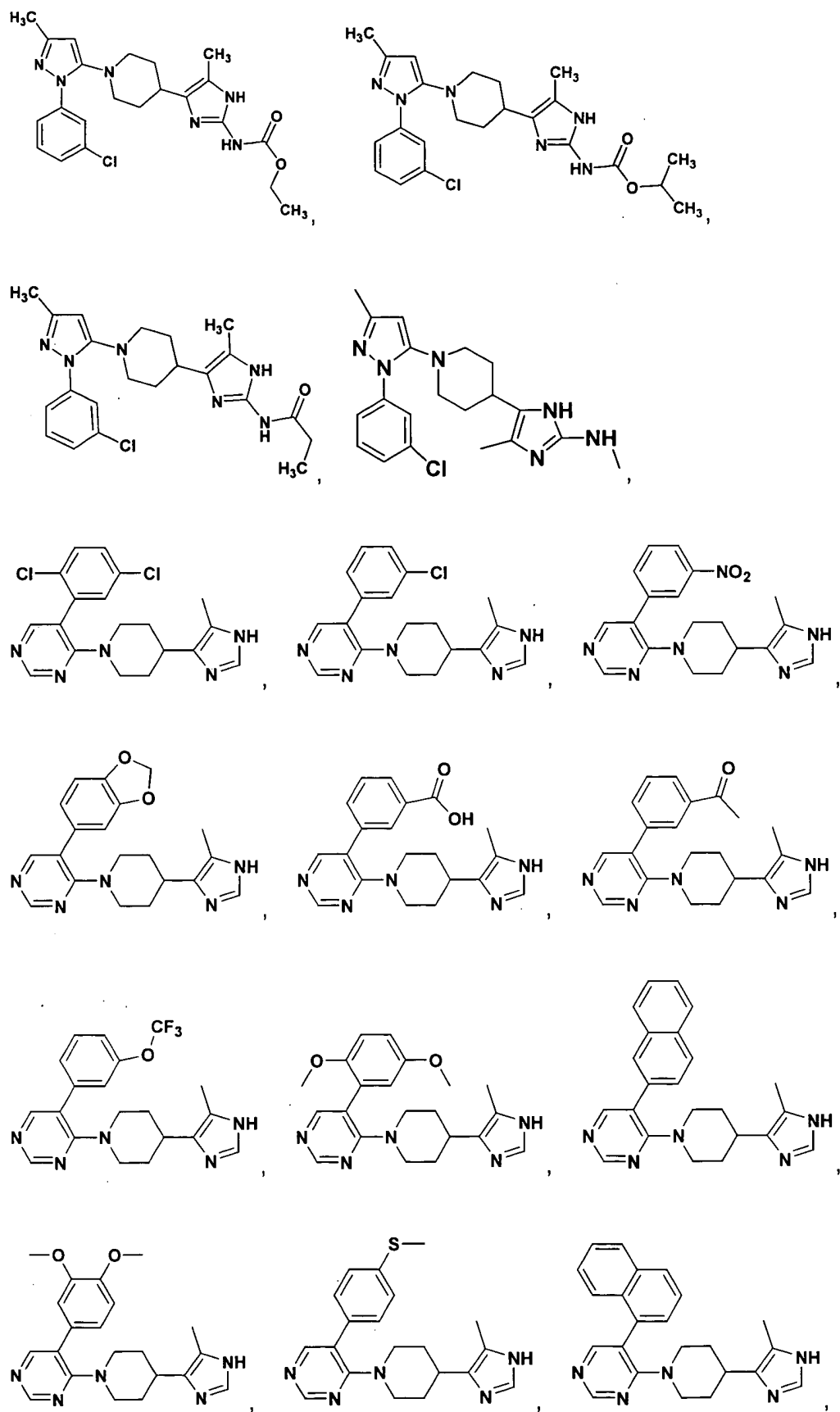


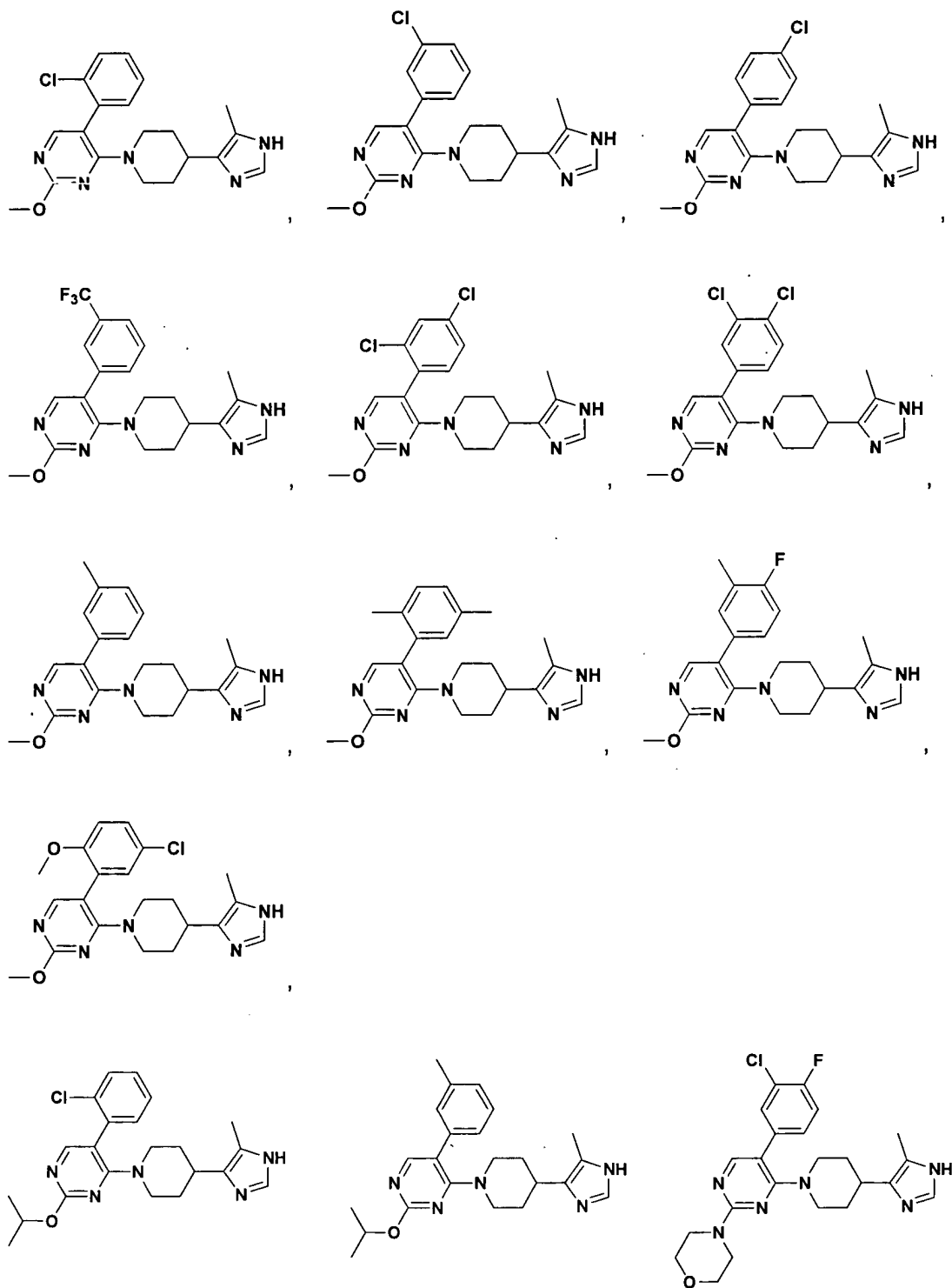


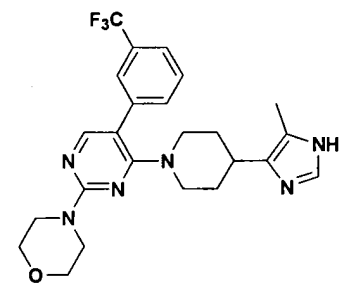
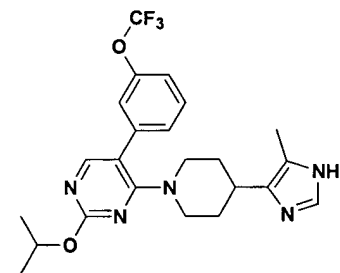
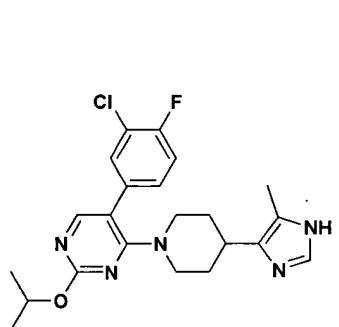
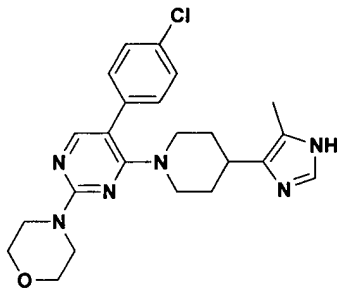
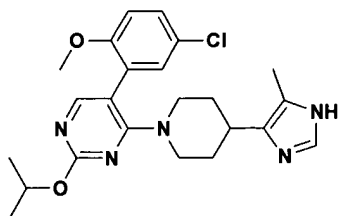
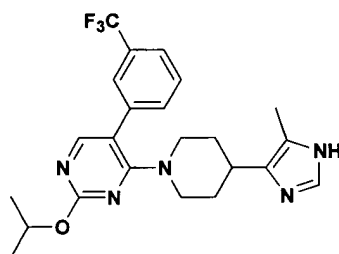
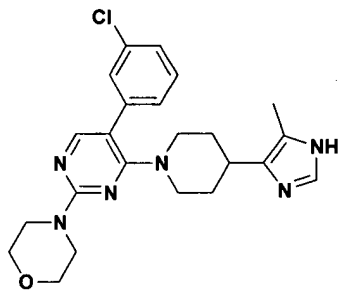
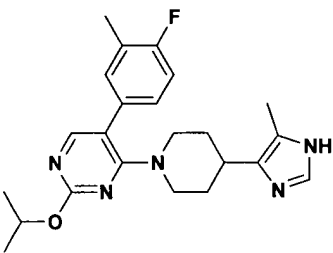
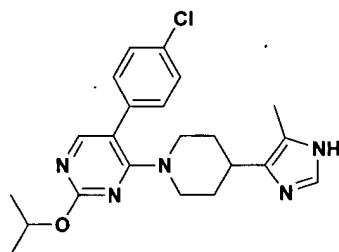
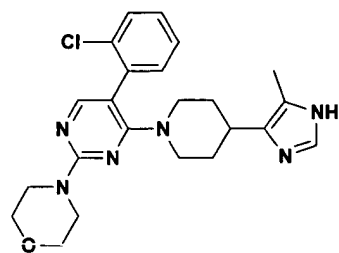
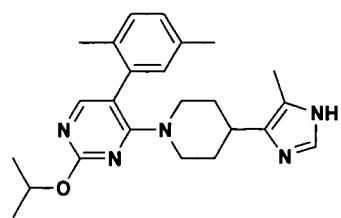
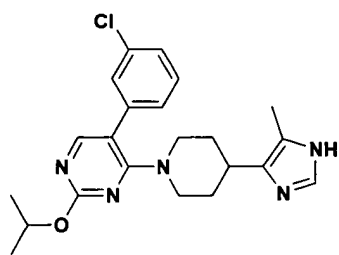


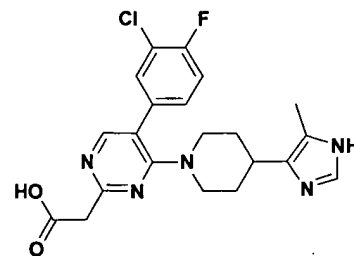
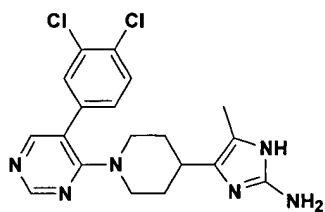
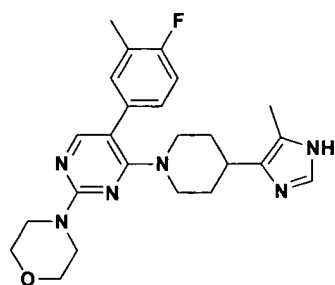
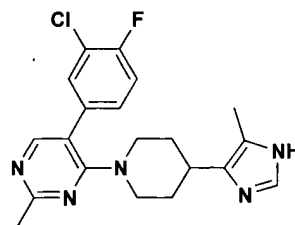
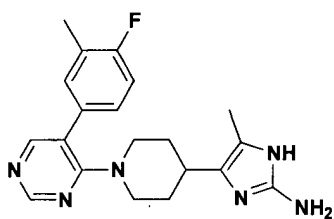
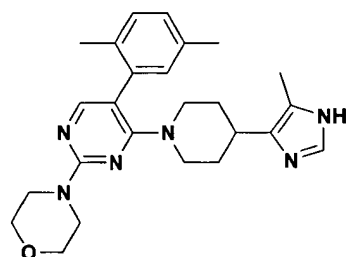
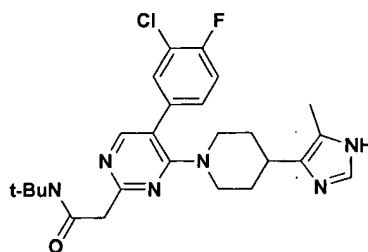
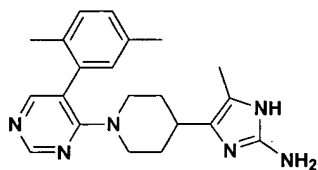
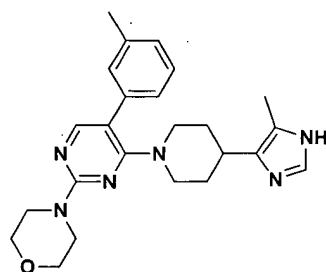
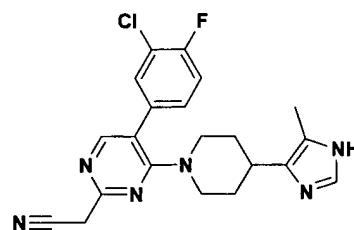
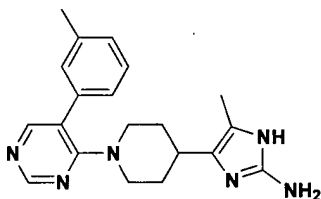
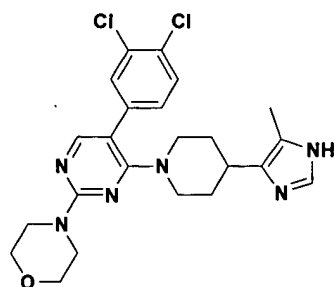
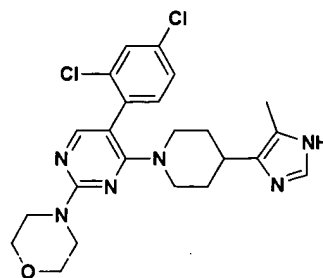
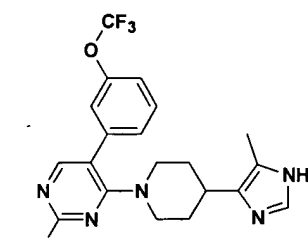
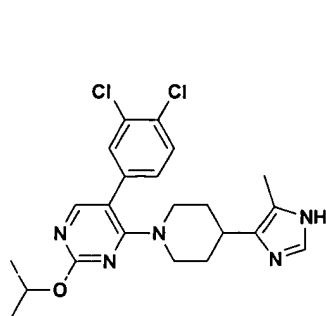


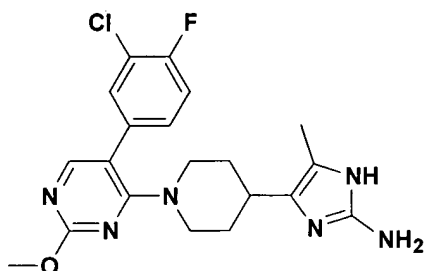
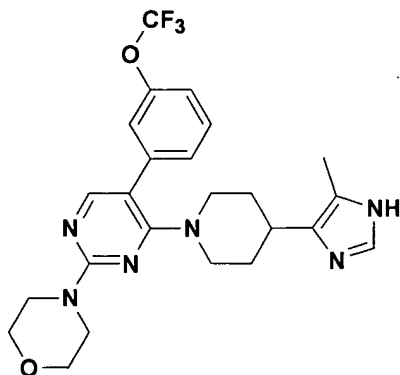
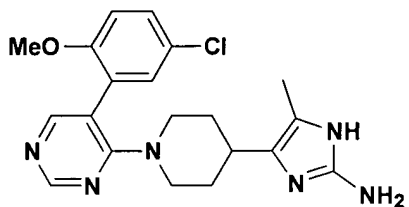
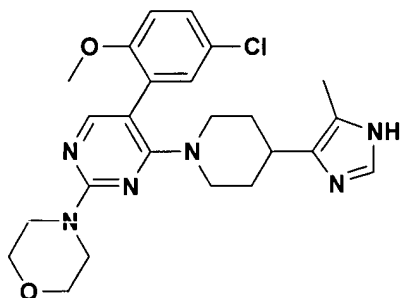




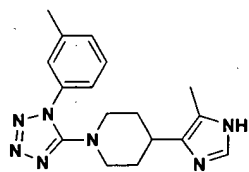
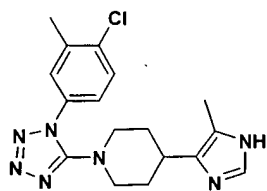
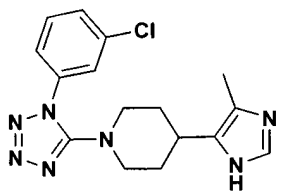
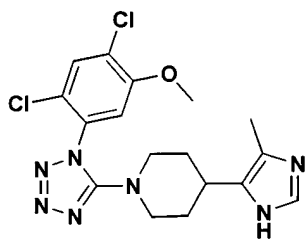
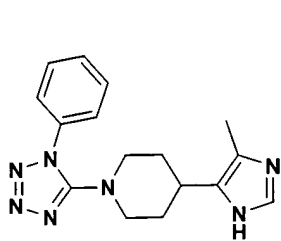


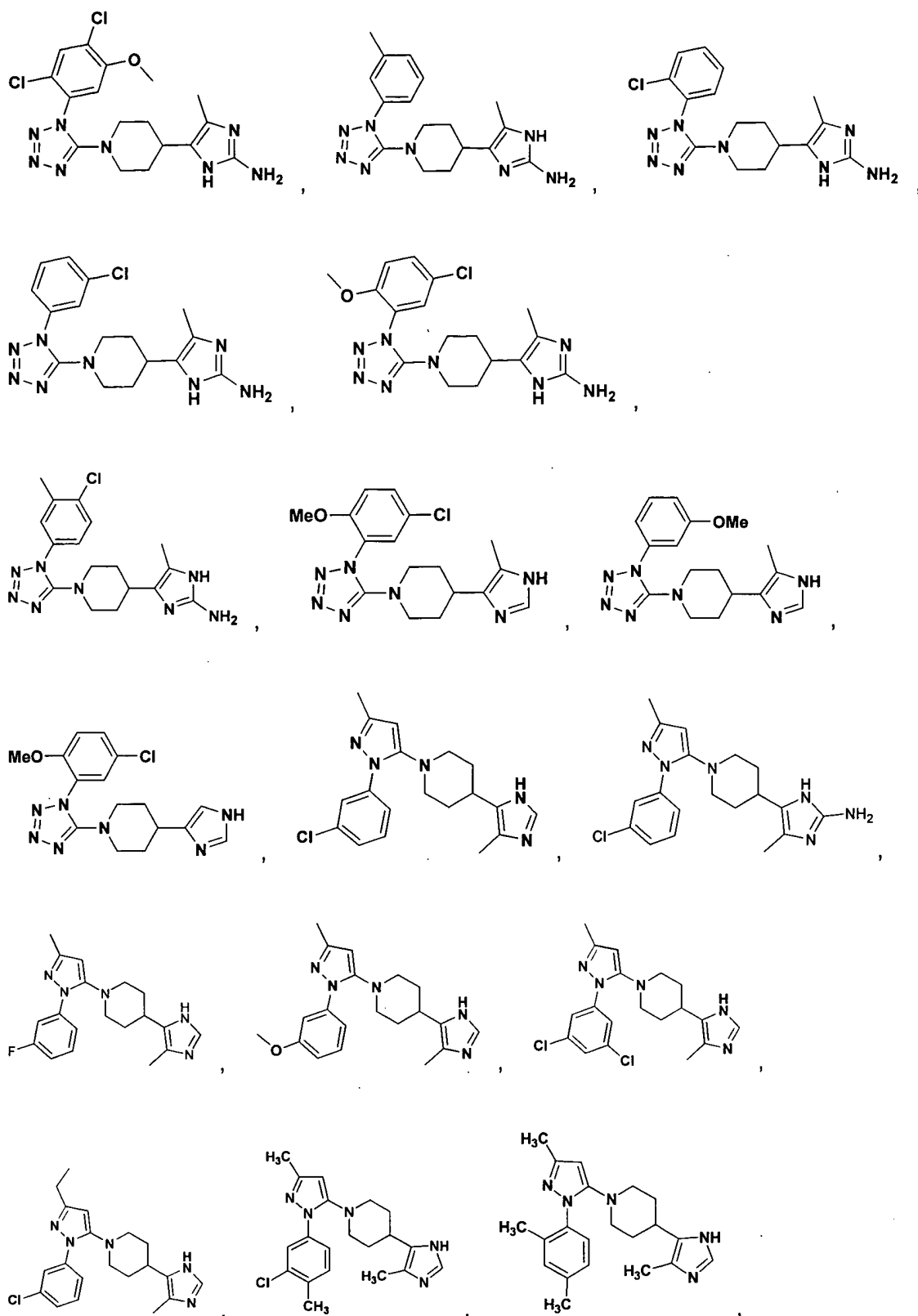


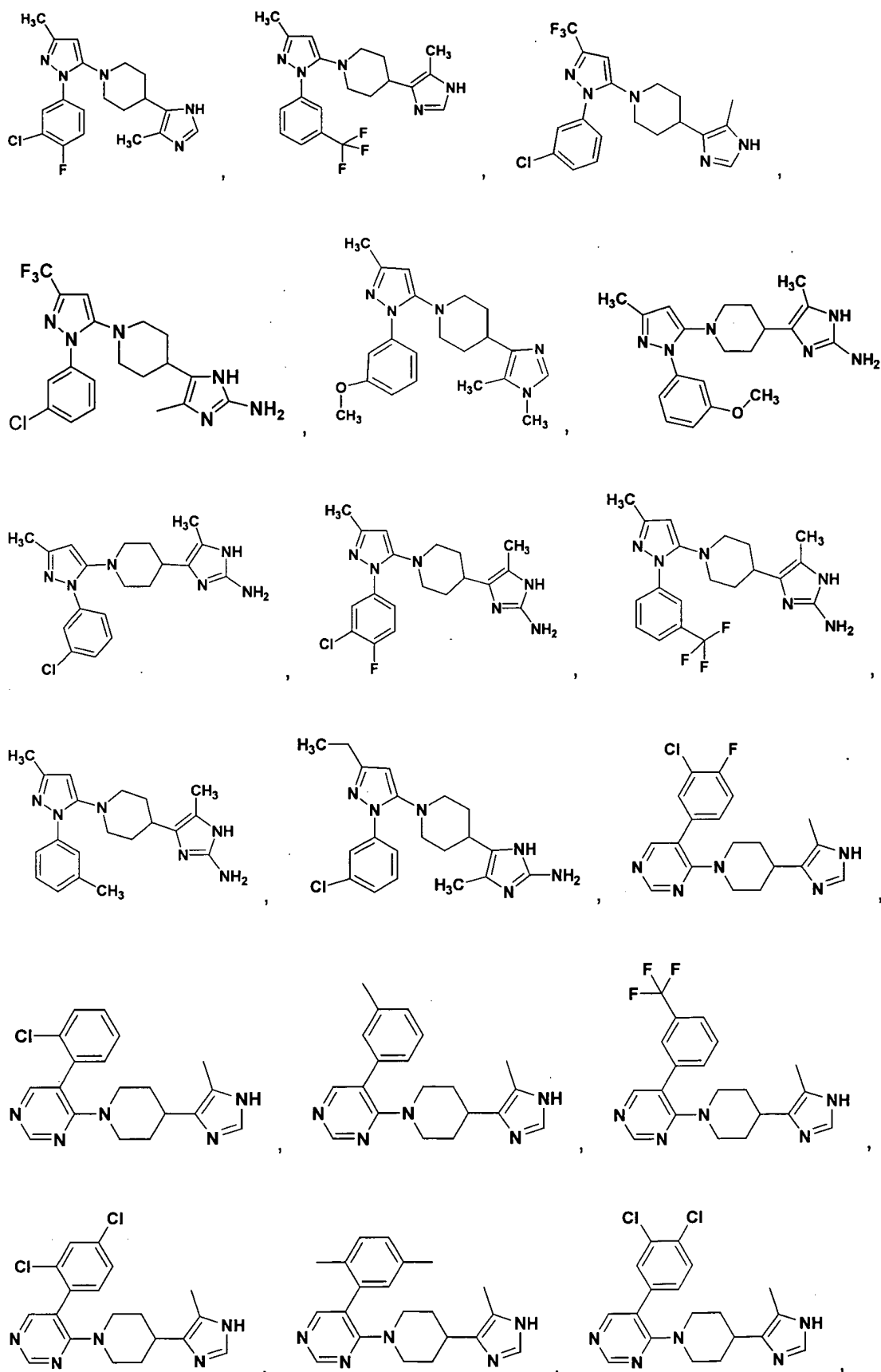


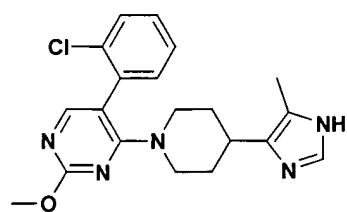
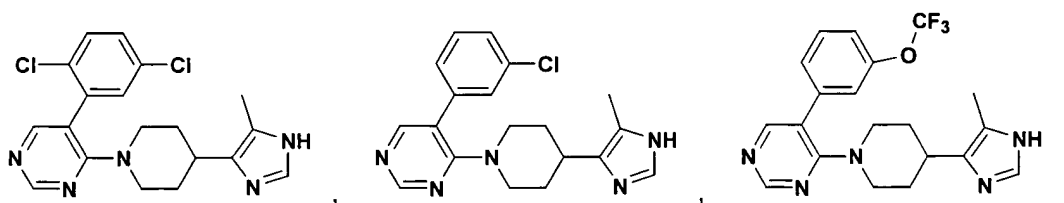
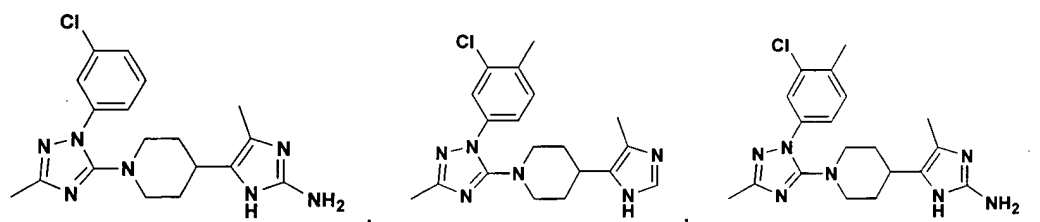
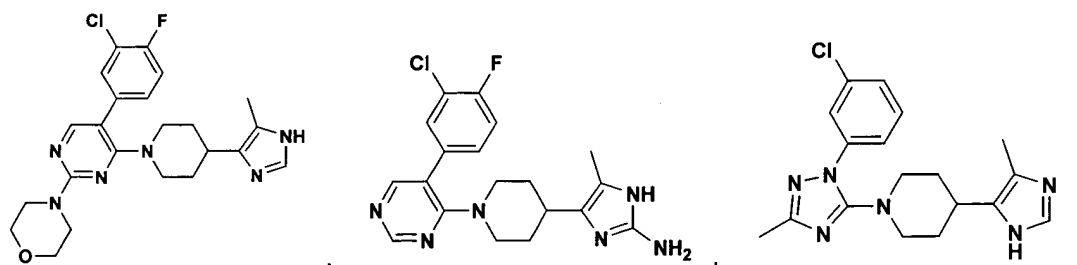
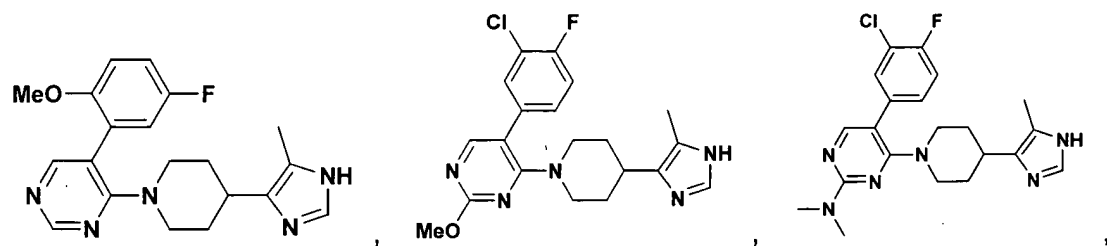
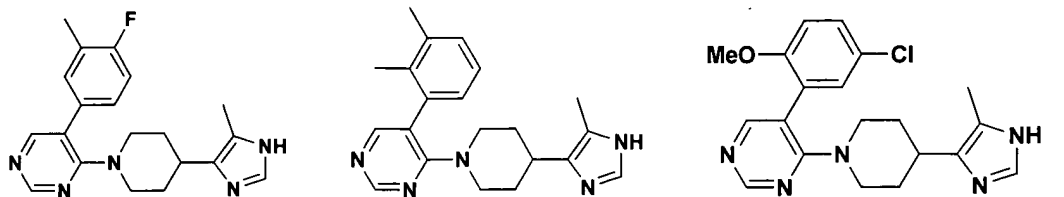


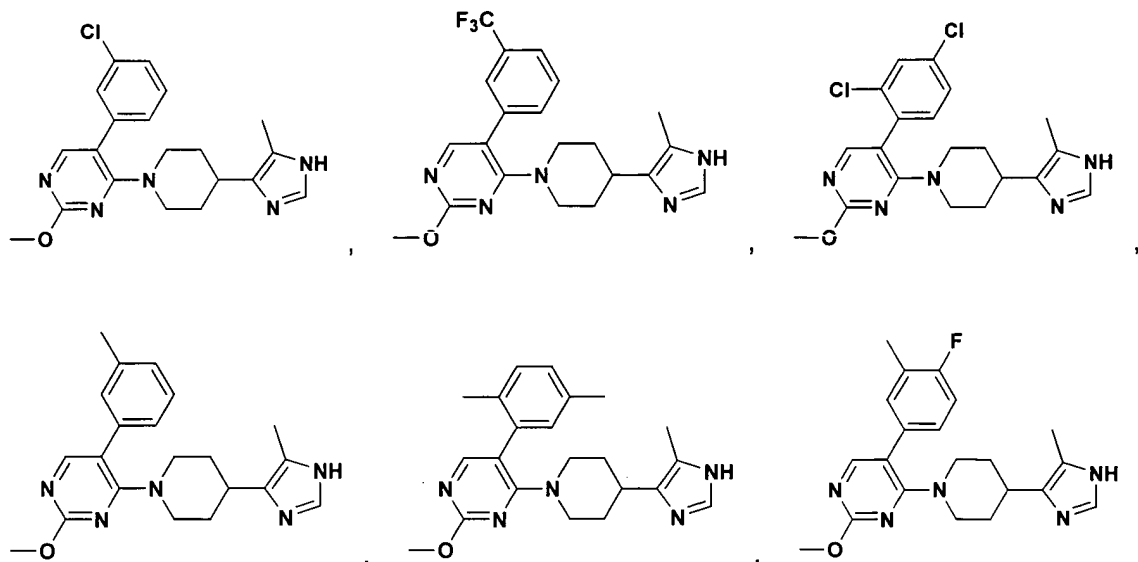
Claim 29. (Previously Presented) A compound having the structure



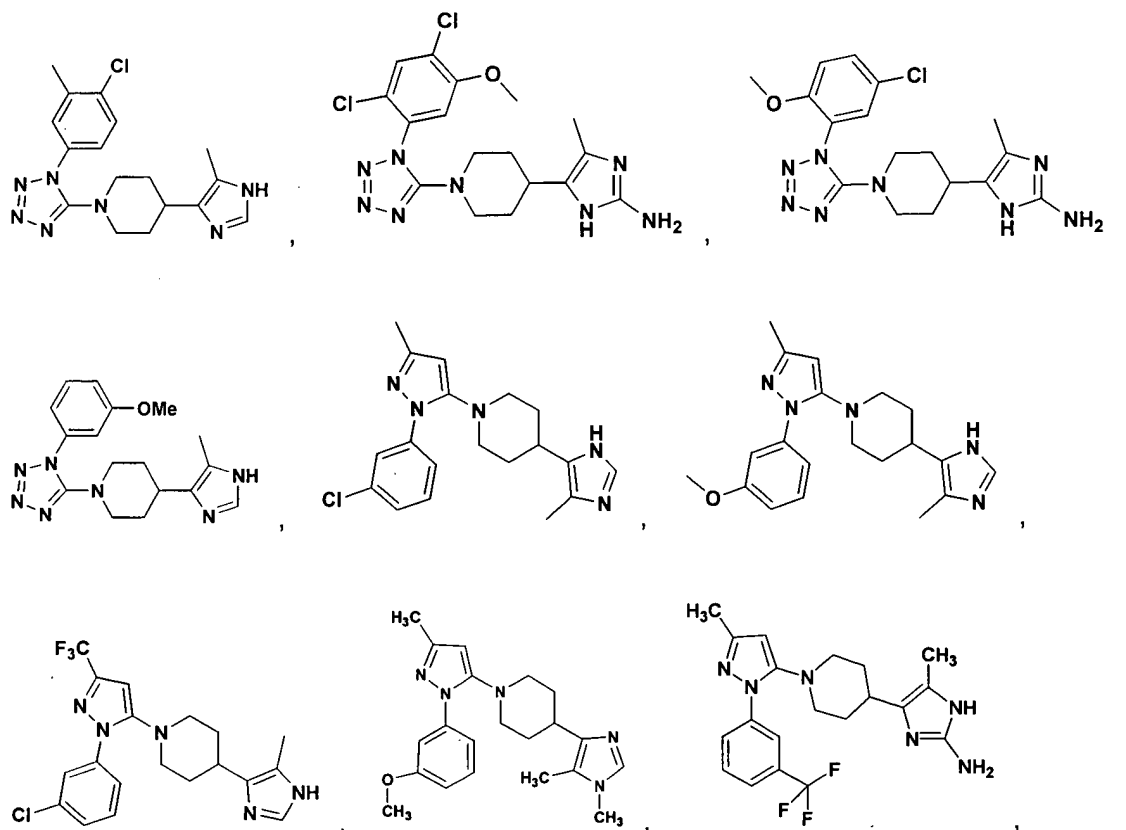


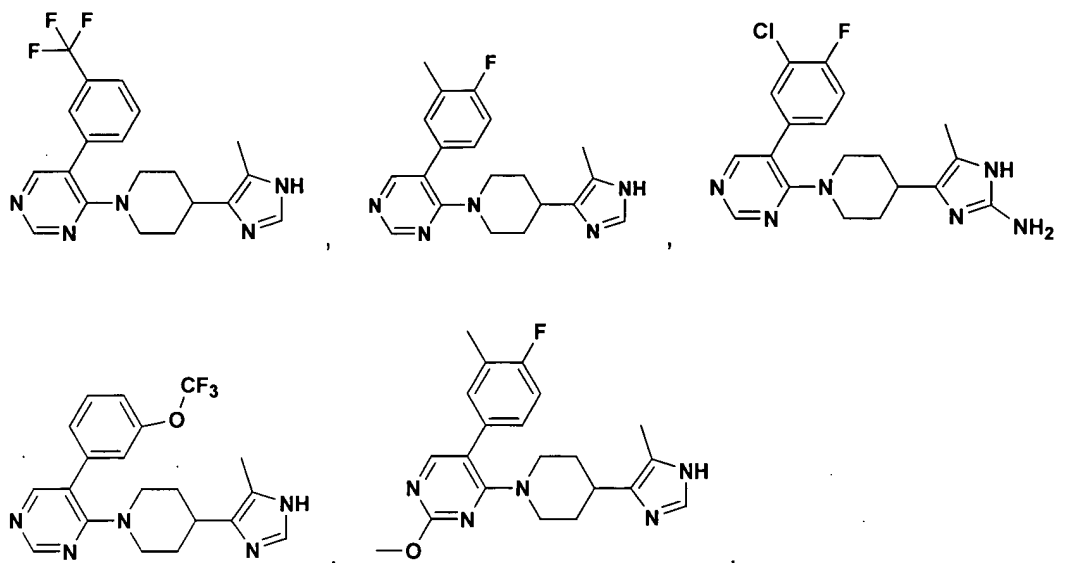






Claim 30. (Previously Presented) A compound having the structure

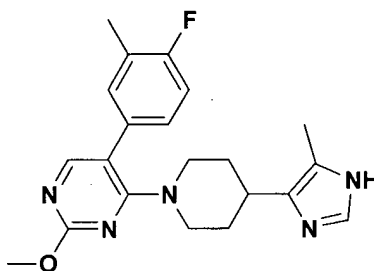




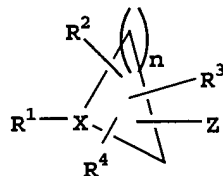
Claim 31. (Original) A pharmaceutical composition comprising a compound as defined in Claim 1 and a pharmaceutically acceptable carrier therefor.

Claims 32-62. (Cancelled).

Claim 63. (Previously Presented) A compound having the following structure




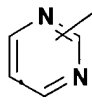
Claim 64. (Currently Amended) A compound having the structure



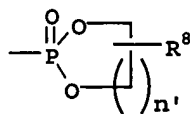
wherein n is 4;

X is N;

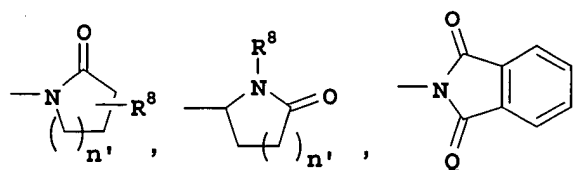
Z is a 5- or 6-membered nitrogen-containing monocycle heteroaryl group which is selected from the group consisting of imidazole attached at its 4- or 5-position to the ring, aminoimidazole, alkylimidazole, alkylthioimidazole, alkylthio(amino)imidazole, amino(alkyl)imidazole, (alkanoylamino)imidazole, benzimidazole aminothiazole, aminooxazole, aminooxadiazole, dialkylimidazole, alkyl(alkanoylamino)imidazole, alkyl(amino)imidazole, arylaminocarbonylamino(alkyl)imidazole, alkoxycarbonylamino(alkyl)imidazole, alkylcarbonylamino(alkyl)imidazole, aminotriazole or diaminopyrimidine;

R¹ is tetrazolyl, pyrazolyl, thiazolyl, , oxazole, or triazole or  ;
and R¹ may be unsubstituted or substituted with from one to five substituents;

R², R³ and R⁴ are the same or different and are independently H, alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, (alkyl or aryl)₃Si (where each alkyl or aryl group is independent), cycloalkyl, cycloalkenyl, amino, alkylamino, dialkylamino, alkenylamino, alkynylamino, arylalkylamino, aryl, arylalkyl, arylamino, aryloxy, cycloheteroalkyl, cycloheteroalkylalkyl, heteroaryl, heteroarylamino, heteroaryloxy, arylthio, arylsulfinyl, arylsulfonyl, thio, alkylthio, alkylsulfinyl, alkylsulfonyl, heteroarylthio, heteroarylsulfinyl, heteroarylsulfonyl, halogen, haloalkyl, polyhaloalkyl, polyhaloalkoxy, aminothio, aminosulfinyl, aminosulfonyl, alkylsulfonylamino, alkenylsulfonylamino, alkynylsulfonylamino, arylsulfonylamino, heteroarylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, heteroarylaminocarbonyl, hydroxy, acyl, carboxy, aminocarbonyl, alkylcarbonyl, alkoxycarbonyl, alkylcarbonyloxy, alkylcarbonylamino, arylcarbonyl, arylcarbonyloxy, arylcarbonylamino, heteroarylcarbonyl, heteroarylcarbonyloxy, heteroarylcarbonylamino, cyano, nitro, alkenylcarbonylamino, alkynylcarbonylamino, alkylaminocarbonylamino, alkenylaminocarbonylamino, alkynylaminocarbonylamino, arylaminocarbonylamino, heteroarylaminocarbonylamino, alkoxycarbonylamino, alkenyloxycarbonylamino, alkynyloxycarbonylamino, aryloxycarbonylamino, heteroaryloxycarbonylamino, aminocarbonylamino, alkylaminocarbonyloxy, alkoxycarbonylamino, I,I-(alkoxyl or aryloxy)₂alkyl (where the two aryl or alkyl substituents can be independently defined, or linked to one another to form a ring), S(O)₂R⁶R⁷, -NR⁶(C=NR⁷)alkyl, -NR⁶(C=NR⁷)alkenyl, -NR⁶(C=NR⁷)alkynyl, -NR⁶(C=NR⁷)heteroaryl, -NR⁸(C=NCN)-amino,



pyridine-N-oxide,



(where Q is O or H₂ and n' is 0, 1, 2 or 3) or

$\text{---C}(\text{NR}^8\text{R}^9)=\text{CH---C}(=\text{O})\text{---R}^{8a}$; tetrazolyl, pyrazolyl, pyridyl, thiazolyl, pyrimidinyl, imidazole, oxazole, or triazole, $\text{---PO}(\text{R}^{13})(\text{R}^{14})$, (where R¹³ and R¹⁴ are independently alkyl, aryl, alkoxy, aryloxy, heteroaryl, heteroarylalkyl, heteroaryloxy, heteroarylalkoxy, cycloheteroalkyl, cycloheteroalkylalkyl, cycloheteroalkoxy, or cycloheteroalkylalkoxy); and may be optionally independently substituted with from one to five substituents, which may be the same or different;

R⁶, R⁷, R⁸, R^{8a} and R⁹ are the same or different and are independently hydrogen, alkyl, haloalkyl, aryl, heteroaryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl, or cycloheteroalkyl;

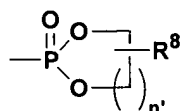
including or a pharmaceutically acceptable salts salt thereof, ~~pre~~prodrugs or a prodrug thereof, and all stereoisomers thereof.

Claim 65. (Currently Amended) The compound as defined in Claim 64 wherein Z is imidazole attached to its 4- or 5-position to the ring, aminoimidazole, alkylimidazole, alkylthioimidazole, alkylthio(amino)imidazole, amino-(alkyl)imidazole, ~~oxazole~~, (alkanoylamino)imidazole, ~~thiazole, benzimidazole~~, aminothiazole, aminooxazole, aminooxadiazole, dialkylimidazole, alkyl(alkanoylamino)imidazole, alkyl(amino)imidazole, arylaminocarbonylamino(alkyl)imidazole, alkoxy carbonylamino(alkyl)imidazole, alkylcarbonylamino(alkyl)imidazole, aminotriazole or diaminopyrimidine.

Claim 66. (Currently Amended) The compound as defined in Claim 1 wherein the R¹ group may be substituted within from one to five of the following groups:

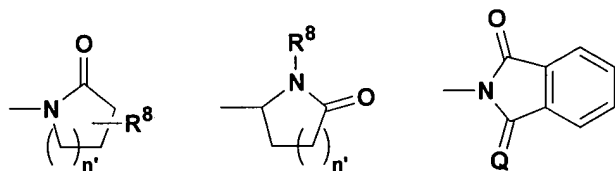
alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, (alkyl or aryl)₃Si (where each alkyl or aryl group is independent), cycloalkyl, cycloalkenyl, amino, alkylamino, dialkylamino, alkenylamino, alkynylamino, arylalkylamino, aryl, arylalkyl, arylamino, aryloxy, cycloheteroalkyl, cycloheteroalkylalkyl, heteroaryl, heteroarylamino, heteroaryloxy, arylthio, arylsulfinyl, arylsulfonyl,

thio, alkylthio, alkylsulfinyl, alkylsulfonyl, heteroarylthio, heteroarylsulfinyl, heteroarylsulfonyl, halogen, haloalkyl, polyhaloalkyl such as CF_3 and CF_3CH_2 , polyhaloalkyloxy such as CF_3O and $\text{CF}_3\text{CH}_2\text{O}$, aminothio, aminosulfinyl, aminosulfonyl, alkylsulfonylamino, alkenylsulfonylamino, alkynylsulfonylamino, arylsulfonylamino, heteroarylsulfonylamino, alkylaminocarbonyl, arylaminocarbonyl, heteroarylaminocarbonyl, hydroxy, acyl, carboxy, aminocarbonyl, alkylcarbonyl, alkoxycarbonyl, alkylcarbonyloxy, alkylcarbonylamino, arylcarbonyl, arylcarbonyloxy, arylcarbonylamino, heteroarylcarbonyl, heteroarylcarbonyloxy, heteroarylcarbonylamino, cyano, nitro, alkenylcarbonylamino, alkynylcarbonylamino, alkylaminocarbonylamino, alkenylaminocarbonylamino, alkynylaminocarbonylamino, arylaminocarbonylamino, heteroarylaminocarbonylamino, alkoxycarbonylamino, alkenyloxycarbonylamino, alkynyloxycarbonylamino, aryloxycarbonylamino, heteroaryloxycarbonylamino, aminocarbonylamino, alkylaminocarbonyloxy, 1,1-(alkoxy or aryloxy)₂alkyl (where the two aryl or alkyl substituents can be independently defined, or linked to one another to form a ring, such as 1,3-dioxane or 1,3-dioxolane), $\text{S}(\text{O})_2\text{R}^6\text{R}^7$, $-\text{NR}^6(\text{C}=\text{NR}^7)\text{alkyl}$,



$\text{NR}^6(\text{C}=\text{NR}^7)\text{alkenyl}$, $-\text{NR}^6(\text{C}=\text{NR}^7)\text{alkynyl}$,

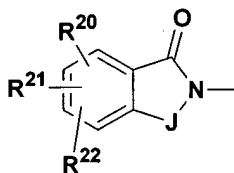
$\text{NR}^6(\text{C}=\text{NR}^7)\text{heteroaryl}$, $-\text{NR}^6(\text{C}=\text{NCN})\text{-amino}$, pyridine-N-oxide,



(where Q is O or H_2 and n' is 0, 1, 2 or 3) or $-\text{C}(\text{NR}^8\text{R})=\text{CH}-\text{C}(=\text{O})-\text{R}^{8a}$; tetrazolyl, pyrazolyl, pyridyl, pyridyl, thiazolyl, pyrimidinyl, imidazole, oxazole or triazole; $-\text{PO}(\text{R}^{13})(\text{R}^{14})$, (where R^{13} and R^{14} are independently alkyl, aryl, alkoxy, aryloxy, heteroaryl, heteroarylalkyl, heteroaryloxy, heteroarylalkoxy, cycloheteroalkyl, cycloheteroalkylalkyl, cycloheteroalkoxy, or cycloheteroalkylalkoxy);

R^6 , R^7 , R^8 , R^{8a} and R^9 are independently hydrogen, alkyl, haloalkyl, aryl, heteroaryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl or cycloheteroalkyl, which substituents may be the same or different from each other and may be the same or different from the base R^1 group.

Claim 67. (Currently Amended) The compound as defined in Claim 64 wherein R^1 is substituted with one to five of the following substituents: alkyl, alkylaminocarbonyl, arylaminocarbonyl, heteroarylaminocarbonyl, alkylcarbonylamino, heteroaryl, halo, aryl, cycloalkylcarbonylamino, arylcarbonylamino, heteroarylcarbonylamino, alkoxycarbonylamino, guanidinyl, nitro, cycloheteroalkyl, aryloxycarbonylamino, heteroaryloxycarbonylamino, uriedo (where the uriedo nitrogens may be substituted with alkyl, aryl or heteroaryl), heterocyclylcarbonylamino (where the heterocycle is connected to the carbonyl group via a nitrogen or carbon atom), alkylsulfonylamino, arylsulfonylamino, heteroarylsulfonylamino,



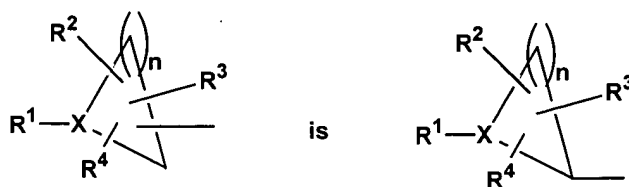
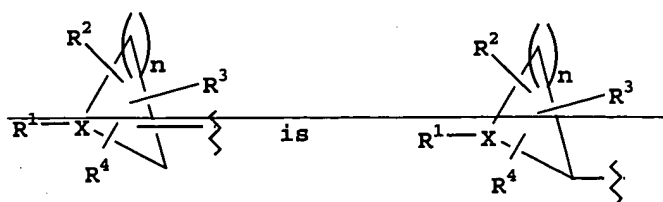
Where J is: CHR^{23} , $\text{—}\overset{\text{O}}{\underset{\text{O}}{\text{C}}}\text{—}$, $\text{—}\underset{\text{R}^{24}}{\text{CH}}\text{—}\underset{\text{R}^{25}}{\text{CH}}\text{—}$ or $\text{—}\underset{\text{R}^{24}}{\text{C}}=\underset{\text{R}^{25}}{\text{C}}\text{—}$;

R^{23} , R^{24} and R^{25} are independently hydrogen, alkyl, alkenyl, alkynyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl, cycloalkyl, or cycloalkylalkyl;

R^{20} , R^{21} , R^{22} are independently hydrogen, halo, alkyl, alkenyl, alkoxy, aryloxy, aryl, arylalkyl, alkylmercapto, arylmercapto, cycloalkyl, cycloalkylalkyl, heteroaryl, heteroarylalkyl, hydroxy or haloalkyl; and these preferred substituents may either be directly attached to R^1 , or attached via an alkylene chain at an open position, which substituents may be the same or different from each other, and may be the same or different from the base R^1 group.

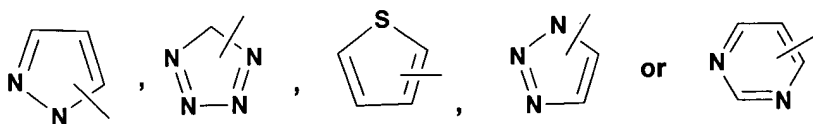
Claim 68. (Currently Amended) The compound as defined in Claim 64 wherein Z is imidazole attached at its 4- or 5-position to the ring, aminoimidazole, alkylimidazole, alkylthioimidazole, alkylthio(amino)imidazole, amino(alkyl)imidazole or (acetylamino)imidazole.

Claim 69. (Currently Amended) The compound as defined in Claim 64 wherein the moiety



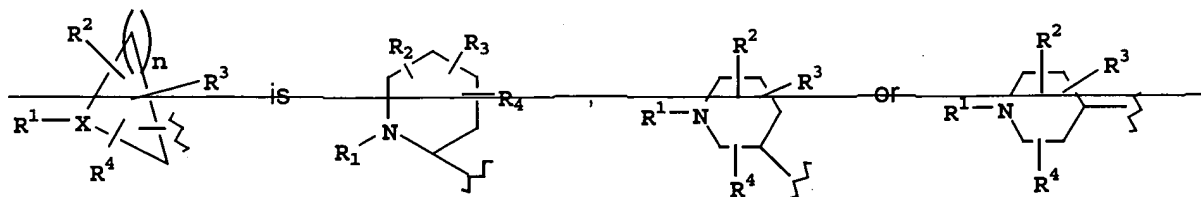
Claim 70. (Previously Presented) The compound as defined in Claim 64 wherein R^2 and R^3 are independently H, lower alkoxy or aryl, and R^4 and R^5 are each hydrogen.

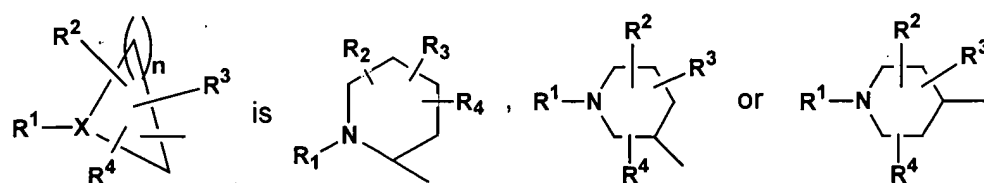
Claim 71. (Previously Presented) The compound as defined in Claim 64 wherein R^1 is



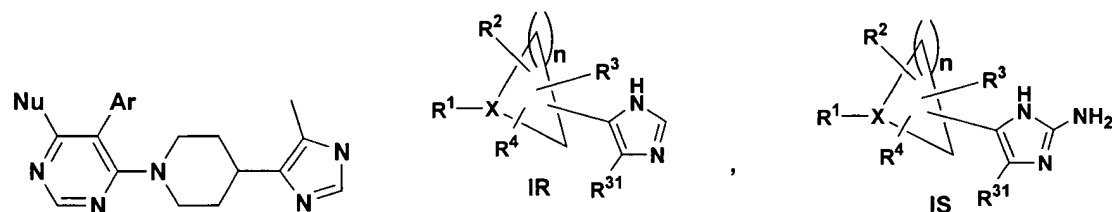
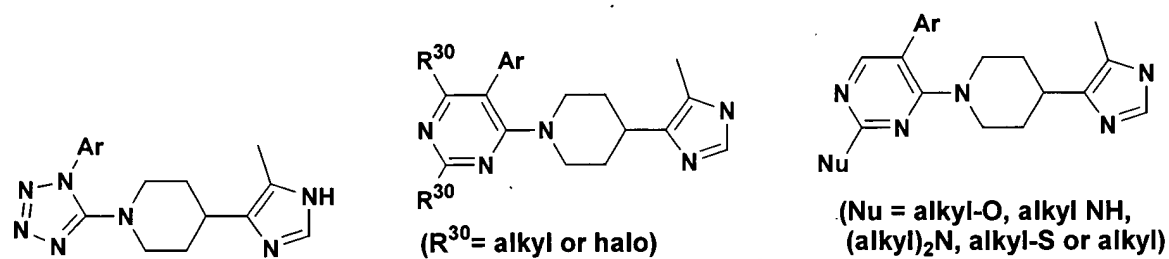
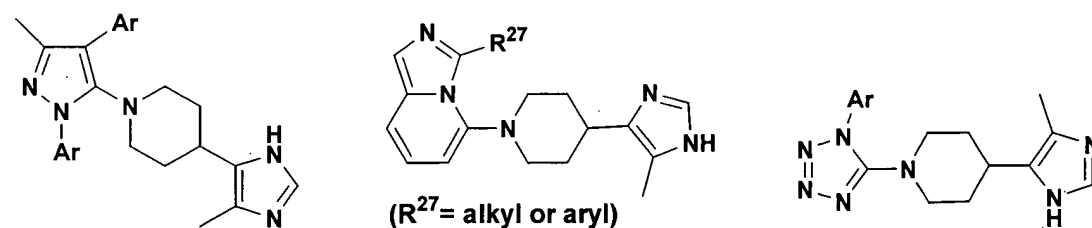
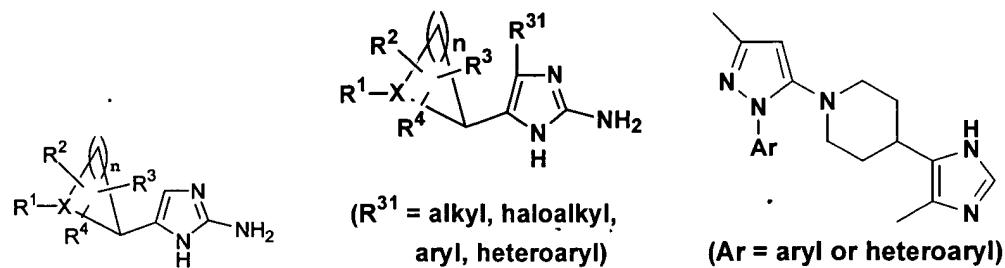
Claim 72. (Previously Presented) The compound as defined in Claim 64 wherein R^1 , R^2 , R^3 and/or R^4 may be joined together with the N atom and/or carbons to which they are attached to form a non-aromatic ring.

Claim 73. (Currently Amended) The compound as defined in Claim 64 wherein





Claim 74. (Previously Presented) The compound as defined in Claim 64 having the structure



Claims 75 and 76. (Cancelled).